

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☐

OTHER

INJECTOR

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR **Mobil Exploration & Producing U.S. Inc.**
as Agent for Mobil Producing TX & NM Incx.

3. ADDRESS AND TELEPHONE NO.
P.O. Box 633, Midland, TX 79702

915-688-2585

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *)
At surface
1325' FWL, 2560' FSL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
4.5 MILES SOUTH OF MONTEZUMA CREEK, UT

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) **2600' FSE CORNER**

16. NO. OF ACRES IN LEASE
2,161

17. NO. OF ACRES ASSIGNED
TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. **8631 SE OF 21-23**

19. PROPOSED DEPTH
TVD-5600 MD 7460

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR - 4756

22. APPROX. DATE WORK WILL START*
APRIL 1995

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20	16	84#	80'	125 CU FT
14 3/4	10 3/4	40.5	1600	1156 CU FT
9 1/2	7 5/8	29.7	5600	1550 CU FT

SEE ATTACHED 8 POINT WELL DRILLING CONTROL FOR ADDITIONAL INFORMATION

THIS PRODUCTION AREA HAS H2S; THEREFORE, MONITORING AND SAFETY EQUIPMENT ARE REQUIRED.
SAFETY EQUIPMENT WILL BE RIGGED UP BY 3000'. FEDERAL REQUIREMENTS FOR EQUIPMENT ON THIS
WELL ARE AS FOLLOWS:

- 1) FLARE LINE AND MEANS OF IGNITION
- 2) REMOTE CONTROLLED CHOKE
- 3) ESCAPE BREATHING APPARATUS FOR ALL CREW MEMBERS
- 4) H2S SENSORS AND ASSOCIATED AUDIBLE/VISUAL ALARM(S)
- 5) AT LEAST ONE (1) PORTABLE H2S MONITOR
- 6) WIND DIRECTION INDICATORS
- 7) CAUTION/DANGER SIGN(S) AND FLAG(S)
- 8) MUD-GAS SEPARATOR
- 9) COMMUNICATION FROM WELLSITE

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Shirley Davis

TITLE

ENV. & REG. TECHNICIAN

DATE

2-8-95

(This space for Federal or State office use)

PERMIT NO.

43-037-31753

APPROVAL DATE

APPROVED BY THE STATE

OF UTAH DIVISION OF
OIL, GAS, AND MINING

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Matthew

TITLE

Richard Engman

DATE:

DATE

2/12/95

*See Instructions On Reverse Side

WELL SPACING

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MOBIL OIL COMPANY

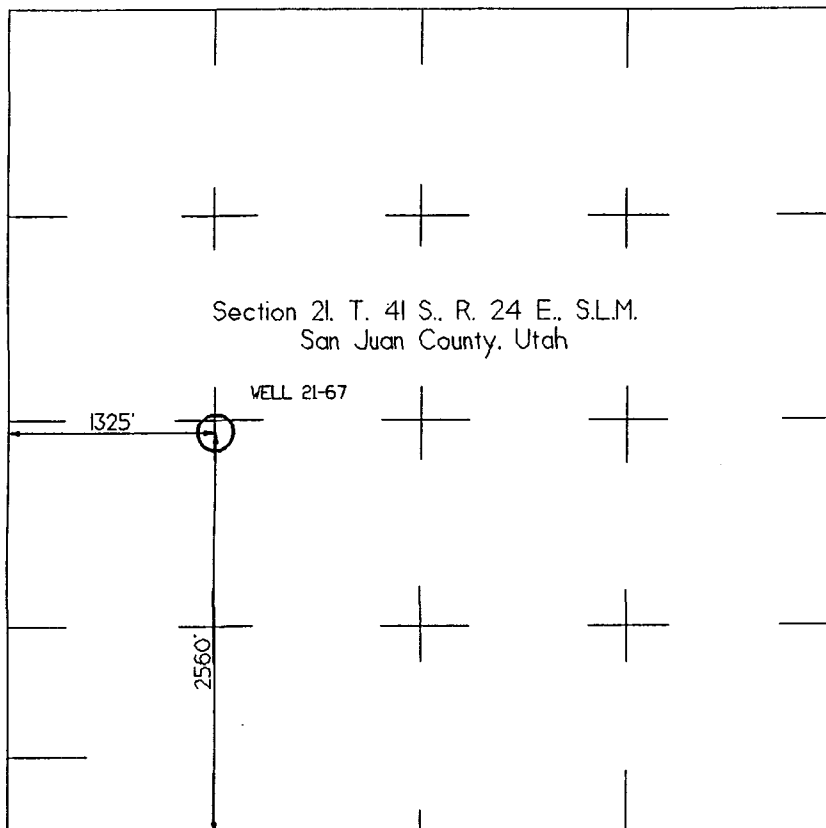
WELL 21-67

RATHERFORD UNIT SW1/4 SECTION 21

T.41S.. R.24E.. S.L.M.. SAN JUAN COUNTY, UTAH

NOV. 4, 1994

PAGE 1 OF 3



Scale: 1" = 1000'

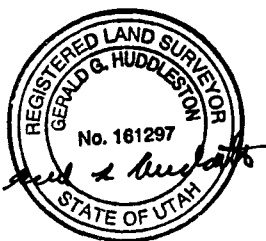
REFERENCE
N 39°15'00"W
210.6'
ELEV 47550

RESERVE

PROPOSED
WELL 21-67
GRND ELEV 4756.9
PAD ELEV 4756.0

REFERENCE
S 39°15'00"E
315.1'
ELEV 47491

Scale: 1" = 200'



MANESS & Associates Inc.
REGISTERED LAND SURVEYORS

P.O. BOX 1183 - 215 NORTH LINDEN - CORTEZ, CO. 81321 - PHONE: 303/566-8845

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-67
2560' FSL & 1325' FWL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

1. DIRECTIONS & EXISTING ROADS

From the Montezuma Creek Post Office, go S 0.6 mi. on BIA Road N-5064. Then turn left and go SE 3.4 mi. on BIA Road N-35. Then turn left and go E 0.6 mi. on County Road 409 to the 21-12 well. Then turn right and go SE 0.1 mi. on a field road to a junction. Then turn left and go E 100 yards on a dirt road past a dump. Then turn right and follow a flagged line SE 150' to the wellsite.

Roads will be maintained to a standard at least equal to their present condition. Existing roads need no upgrading.

2. ROAD TO BE BUILT OR UPGRADED

About 100' of new road will be built (see plat for detail). Running surface will be $\approx 16'$ wide. Maximum disturbed width will be $\approx 30'$. No gate, culvert, or cattleguard is needed. Care will be used to avoid a buried pipeline along the north side of the road. Maximum grade will be 3%. Maximum cut or fill will be 1'.

3. EXISTING WELLS

There are twenty-three oil, eleven injection, two P&A wells, and two planned oil wells within a mile radius. All are within the Ratherford Unit and are shown on the attached map. There are no gas wells.

4. PROPOSED PRODUCTION FACILITIES

The well initially will be an oil well. Later, the oil well will be converted to an injection well. A coated (internal and external)

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-67
2560' FSL & 1325' FWL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

injection pipeline would be laid $\approx 2300'$ west to the 20-W43 injection well. The $\approx 3\text{-}1/2"$ OD welded steel or coiled steel tubing injection line will operate at ≈ 1500 to ≈ 3500 psi, be tested to ≈ 5800 psi, has a burst rating of ≈ 7200 psi, and will be buried at least 30" deep. An uncoated surface flowline of the same type will run east $\approx 500'$ parallel with a road to the Section 21 Satellite. It will parallel the 21-22 injection line which will join with the 21-67 injection line. Surface disturbance will be limited to that necessary for pipeline construction. Fill material will be removed from all drainages and the drainages returned to their natural form.

A raptor proof three phase powerline will be built south $\approx 100'$ to a powerline.

Above ground structures and equipment (only a pumpjack is planned) will be painted with non-glare sand (federal standard 595a-30277) or Mobil beige 12-F-38 color.

5. WATER SUPPLY

Water will be trucked from private land near Bluff. Mobil has permission from the land/well owner and State Engineer.

6. CONSTRUCTION MATERIALS & METHODS

Top 6" of soil will be stripped and stored east of the pad and pit. A minimum 12 mil plastic liner will be installed in the reserve pit. A berm will be built on the fill sides of the pad. The south corner of the pad will be rounded to reduce the amount of fill.

Mobil Exploration & Producing U.S. Inc.
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San Juan County, Utah

7. WASTE DISPOSAL

The reserve pit will be fenced sheep tight on 3 sides with woven wire fence topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries. Once dry, contents of the reserve pit will be buried in place. An overhead net will be installed after drilling and completion are finished.

All trash will be placed in a portable trash cage. It will be hauled to an approved landfill. Human waste will be disposed of in 10' deep ratholes under trailers or in chemical toilets. Ratholes will be filled when the trailers are removed.

8. ANCILLARY FACILITIES

There will be no air strips or camps. Camper trailers will be on location for the company man, tool pusher, and mud loggers.

9. WELL SITE LAYOUT

See attached pages for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, trash cage, access road onto the location, parking, living facilities, soil stockpile, and rig orientation.

10. RECLAMATION

Reclamation starts once the reserve pit is dry. It usually takes a year for a reserve pit to fully evaporate. All disturbed areas will be recontoured to a natural shape to blend with the surrounding topography.

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-67
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San Juan County, Utah

Stockpiled topsoil will be evenly spread. Compacted areas will be plowed or ripped to a depth of 12"-16" before seeding. Seeding will be done between July 1 - August 31 or October 15 - November 30. No seeding will be done when the ground is muddy or frozen. Seed will be drilled 0.5" to 0.75" deep. If broadcast, the rate will be 150% of that shown below and the seed covered with a drag. If the well is a producer, then the injection pipeline, reserve pit, and any other areas not needed for workovers will be reclaimed in the same manner.

<i>SPECIES</i>	<i>lbs/acre PLS</i>
Indian ricegrass (<i>Oryzopsis hymenoides</i>)	3
Giant dropseed (<i>Sporobolus giganteus</i>)	2
Needle & thread (<i>Stipa comata</i>)	2
Yellow sweetclover (<i>Melilotus alba</i>)	1
Four wing saltbush (<i>Atriplex canescens</i>)	2

The injection pipeline will be blocked, water barred, and reclaimed in the same manner as the wellsite. Berms will be built at the top of all slopes. Water bars will be spaced as follows:

<u>% Slope</u>	<u>Spacing</u>
1% - 5%	200 feet
6% - 15%	100 feet
>15%	50 feet

11. SURFACE OWNER

The well, road, powerline, and pipelines are all on Navajo Tribal Trust land in the Red Mesa Chapter. Any changes in the surface use plan must be approved by the BIA Indian Minerals Service Office, 1400 LaPlata Highway, Farmington, NM 87499. Call (505) 599-8100.

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-67
2560' FSL & 1325' FWL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

12. OTHER INFORMATION

The nearest hospital is a \approx 75 minute drive away in northwest Monticello. It is 3 blocks northwest of the intersection of US 666 and US 191. Hospital phone number is (801) 587-2116. Or dial 1-800-332-1911 from anywhere in San Juan County, Ut. The closest medical helicopter is in Farmington NM. Farmington hospital phone number is (505) 325-5011.

13. REPRESENTATION

Anyone having questions concerning the APD should contact:

Shirley Todd, Technician
Mobil Exploration & Producing U. S. Inc.
P.O. Box 633
Midland, Tx. 79702
(915) 688-2585

Brian Wood, Consultant
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505
(505) 466-8120

The field representative will be:
Ed Barber, Production Foreman
Mobil Exploration & Producing U. S. Inc.
P.O. Drawer G
Cortez, Co. 81321
(303) 565-9049

Mobil Exploration & Producing U. S. Inc. has the necessary consents from the proper lease owners to conduct lease operations in conjunction with this well. Bond coverage pursuant to 43 CFR 3104 for lease activities and operations is being provided by Mobil Exploration & Producing U. S. Inc.

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-67
2560' FSL & 1325' FWL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Mobil Exploration & Producing U. S. Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

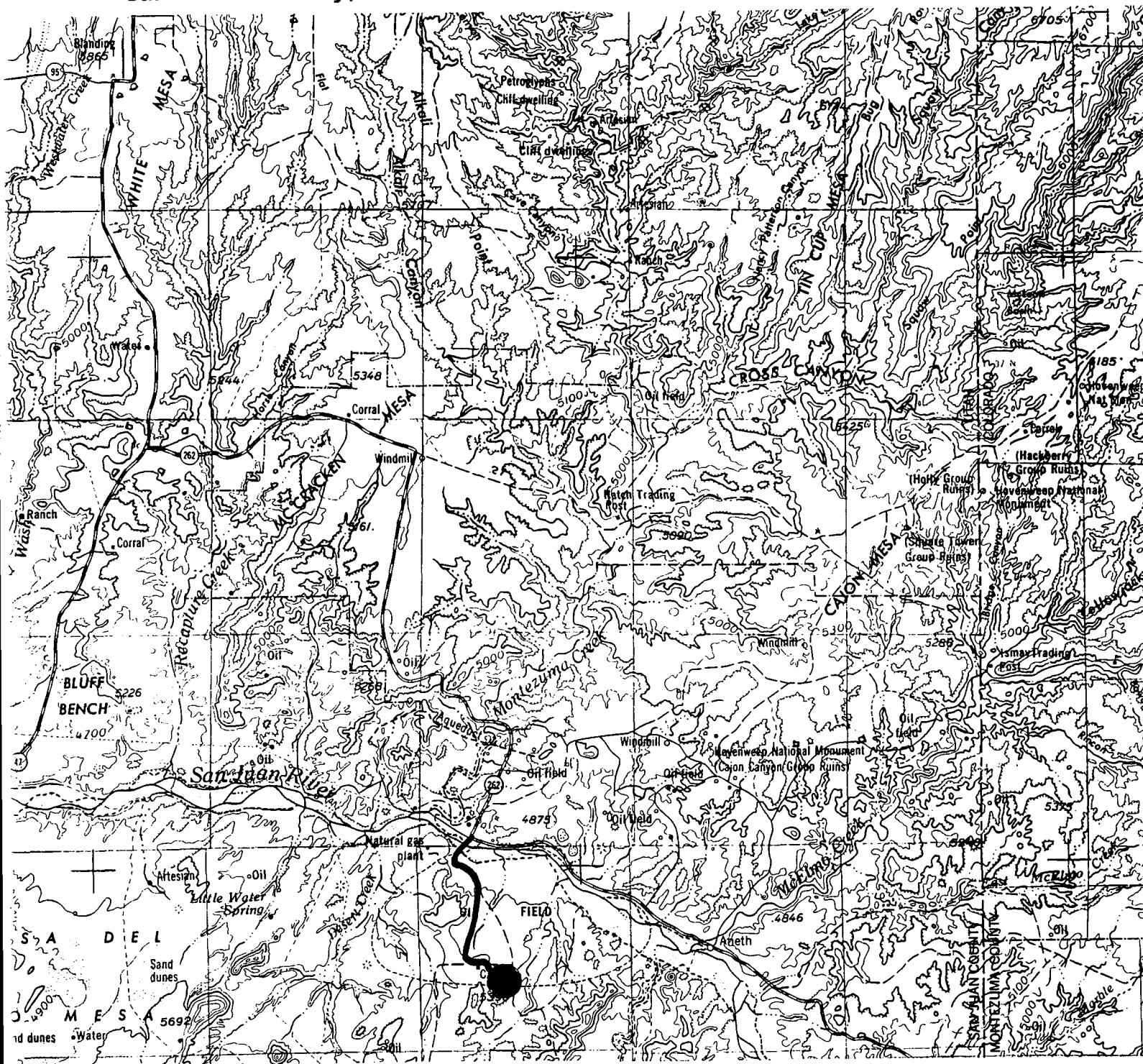
Shirley Todd

Shirley Todd, Technician
Environmental & Regulatory Dept.
Mobil Exploration & Producing U. S. Inc.

12-19-94

Date

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-67
2560' FSL & 1325' FWL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah



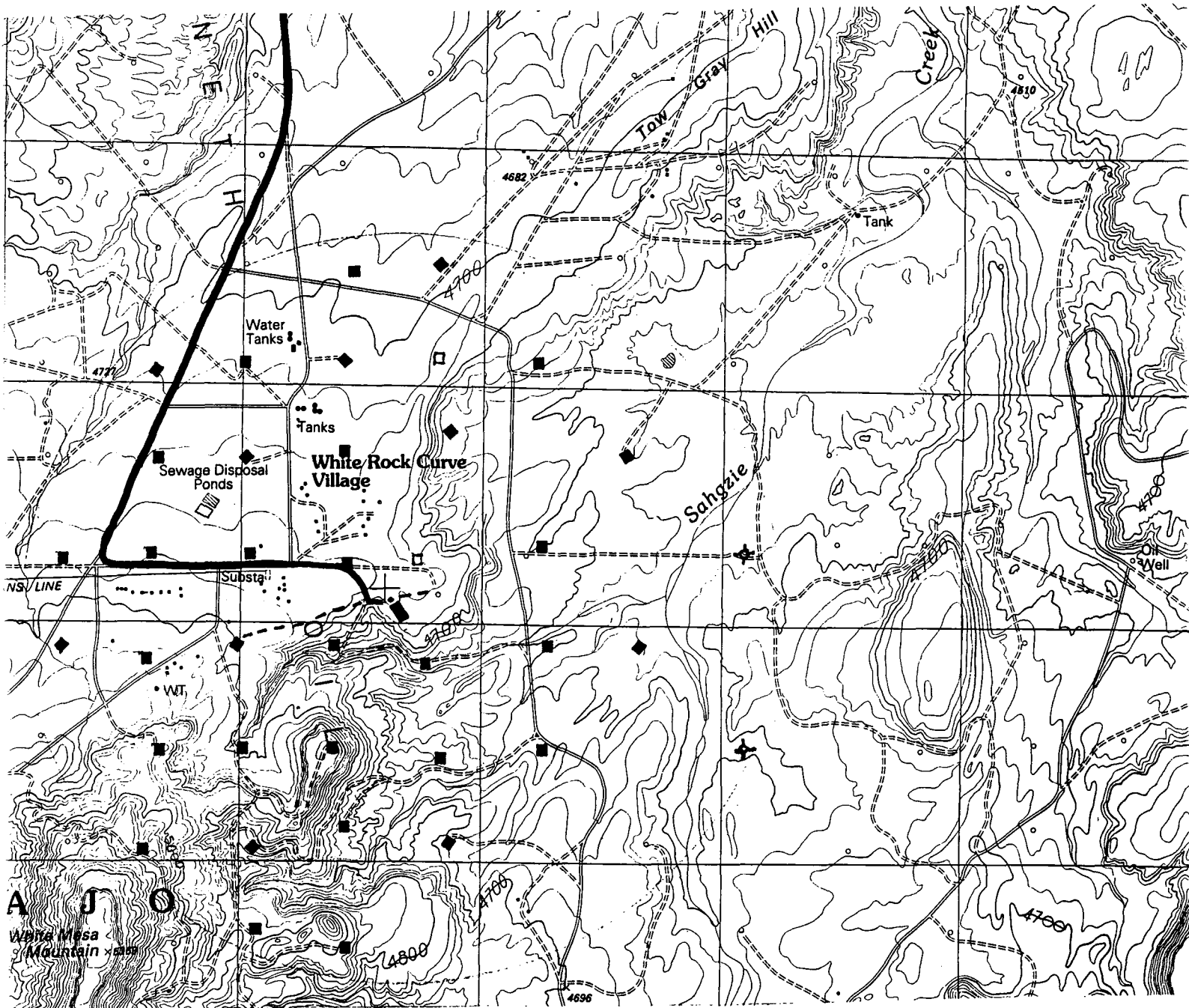
Proposed Well:


Access Route: ~




PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

Mobil Exploration & Producing U.S. Inc.
 Ratherford Unit 21-67
 2560' FSL & 1325' FWL
 Sec. 21, T. 41 S., R. 24 E.
 San Juan County, Utah



Proposed 21-67 Well: 

Other Proposed Well: 

Injection Well: 

Oil Well: 

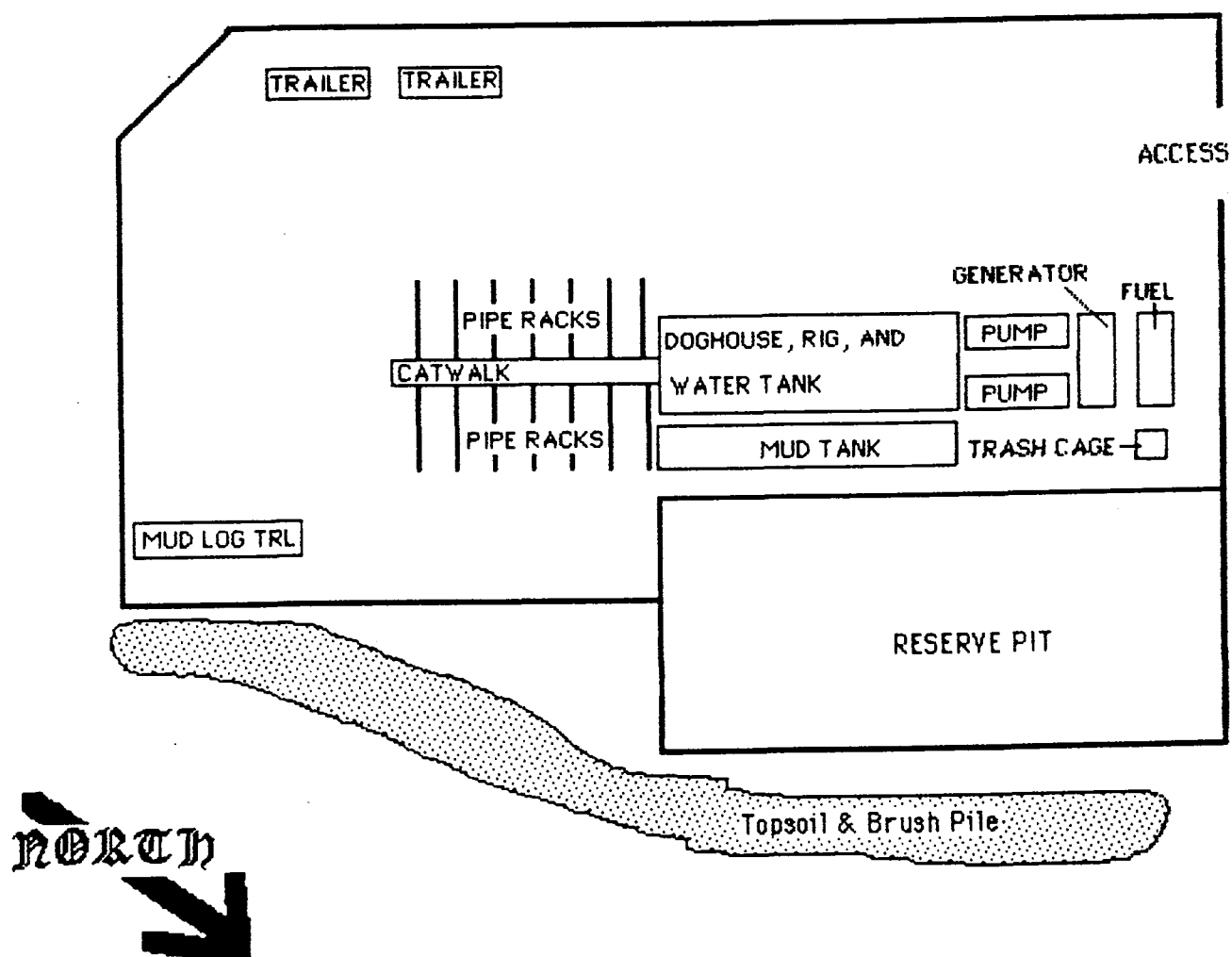
Existing Road: 

New Road: 

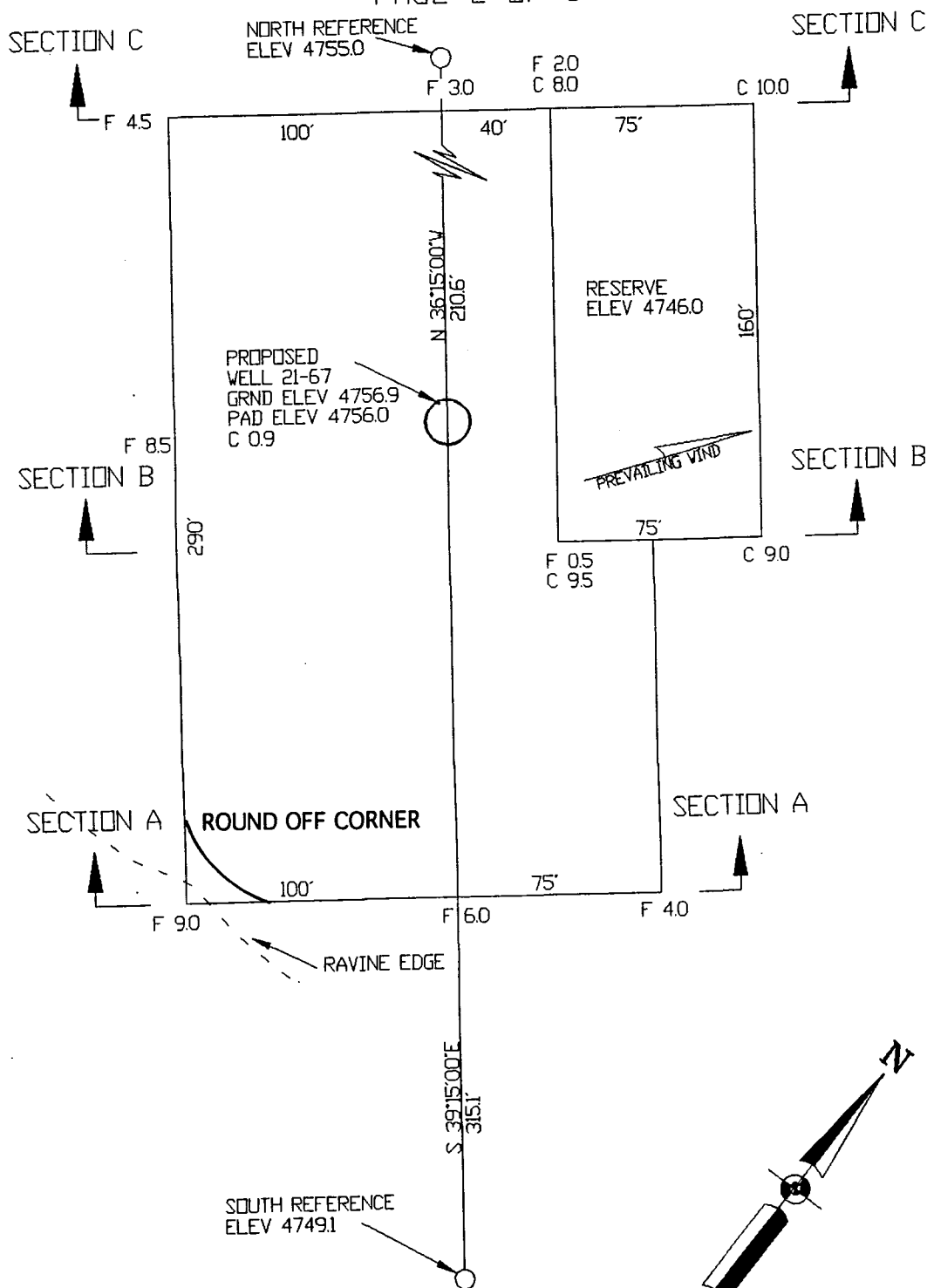
Pipeline: 

PERMITS WEST, INC.
 PROVIDING PERMITS for the ENERGY INDUSTRY

Mobil Exploration & Producing U.S. Inc.
Ratherford Unit 21-67
2560' FSL & 1325' FWL
Sec. 21, T. 41 S., R. 24 E.
San Juan County, Utah



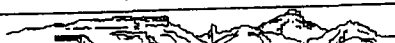
MOBIL OIL COMPANY
WELL 21-67
RATHERFORD UNIT SW1/4 SECTION 21
T.41S., R.24E., S.L.M., SAN JUAN COUNTY, UTAH
NOV. 4, 1994
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SCALE : 1" = 50'

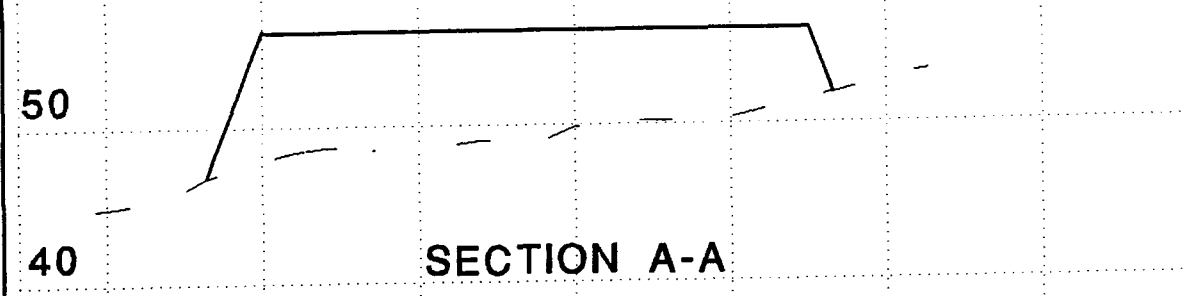
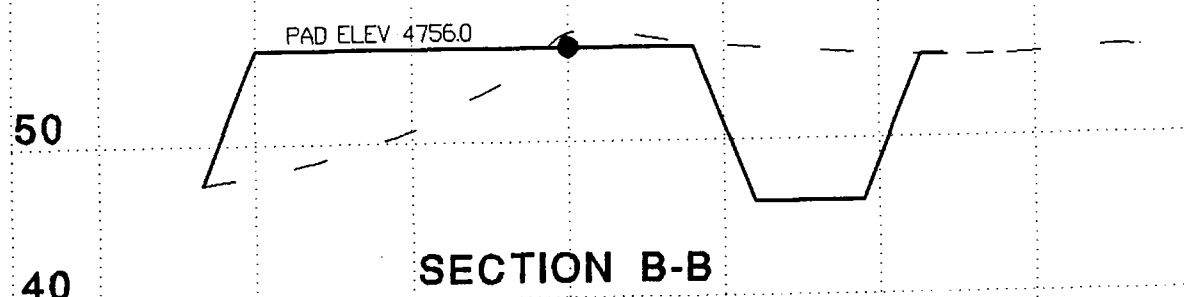
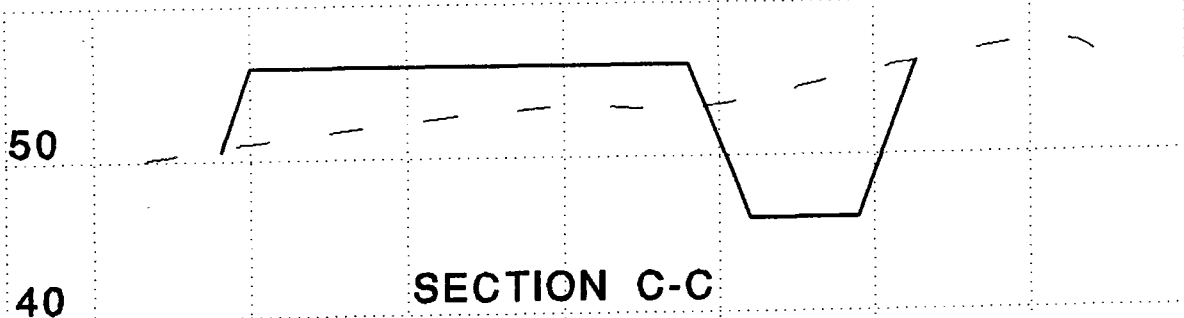


MANESS & Associates Inc.
REGISTERED LAND SURVEYORS



P.O. BOX 1189 - 215 NORTH LINDEN - CORTEZ, CO. 81321 - PHONE: 383/566 JUNE

MOORE OIL COMPANY
WELL 21-67
RATHERFORD UNIT SW1/4 SECTION 21
T.41S., R.24E., S.L.M., SAN JUAN COUNTY, UTAH
NOV. 4, 1994
PAGE 3 OF 3



SCALE
HORIZ: 1"=50'
VERT: 1"=10'

MANESS & Associates Inc.
REGISTERED LAND SURVEYORS

P.O. BOX 1189 - 215 NORTH LINDEN - CORTEZ, CO. 81321 - PHONE: 983/565-8015

Mobil Oil Corporation
 Ratherford Unit #21-67
 2560 FSL and 1325 FWL
 Section 21, T-41-S, R-24-E
 San Juan County, Utah

4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
20"	16"	84#	K55	BT&C	New	0' - 80'
14-3/4"	10-3/4"	40.5#	J55	ST&C	New	0' - 1600'
9-1/2"	7-5/8"	29.7#	L80	LT&C	New	0' - 5600' TVD (±5834' MD)

Surface Casing (0' to 80'): Cement to surface with $\pm 125 \text{ ft}^3$. Volume calculated with 100% excess. Class "B" + 2% CaCl_2 .

Intermediate Casing (0' to 1600'): Cement to surface with $\pm 1156 \text{ ft}^3$. Volume calculated with 30% excess. Lead with slurry of 65:35:6 "B" + 2% Cal Seal. Tail with Class "B" + 2% CaCl_2 . Total of 12 centralizers and one stop collar. One on the shoe joint and one every fourth collar to 200' from surface.

Production Casing (0' to TD): Cement to surface with $\pm 1550 \text{ ft}^3$. Volume calculated with 50% excess. Lead with slurry of class "G" + 3% Econolite. Tail with class "B" + 3% Econolite. Total of 17 centralizers and 3 stop collars. One centralizer on the float shoe then every fourth collar.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0' - 1600'	FW/Spud Mud	8.4 - 8.8	35 - 45	NC
1600' - 5000'	FW/PHPA	9.0 - 11.5	36 - 48	NC
5000' - TD'	FW/PHPA	9.0 - 11.5	36 - 48	10 - 15

6. CORING, TESTING, AND LOGGING

No cores are currently planned. Neutron, Dual Induction, and Sonic logs may be run. A few RFT tests may also be run.

7. DOWNHOLE CONDITIONS

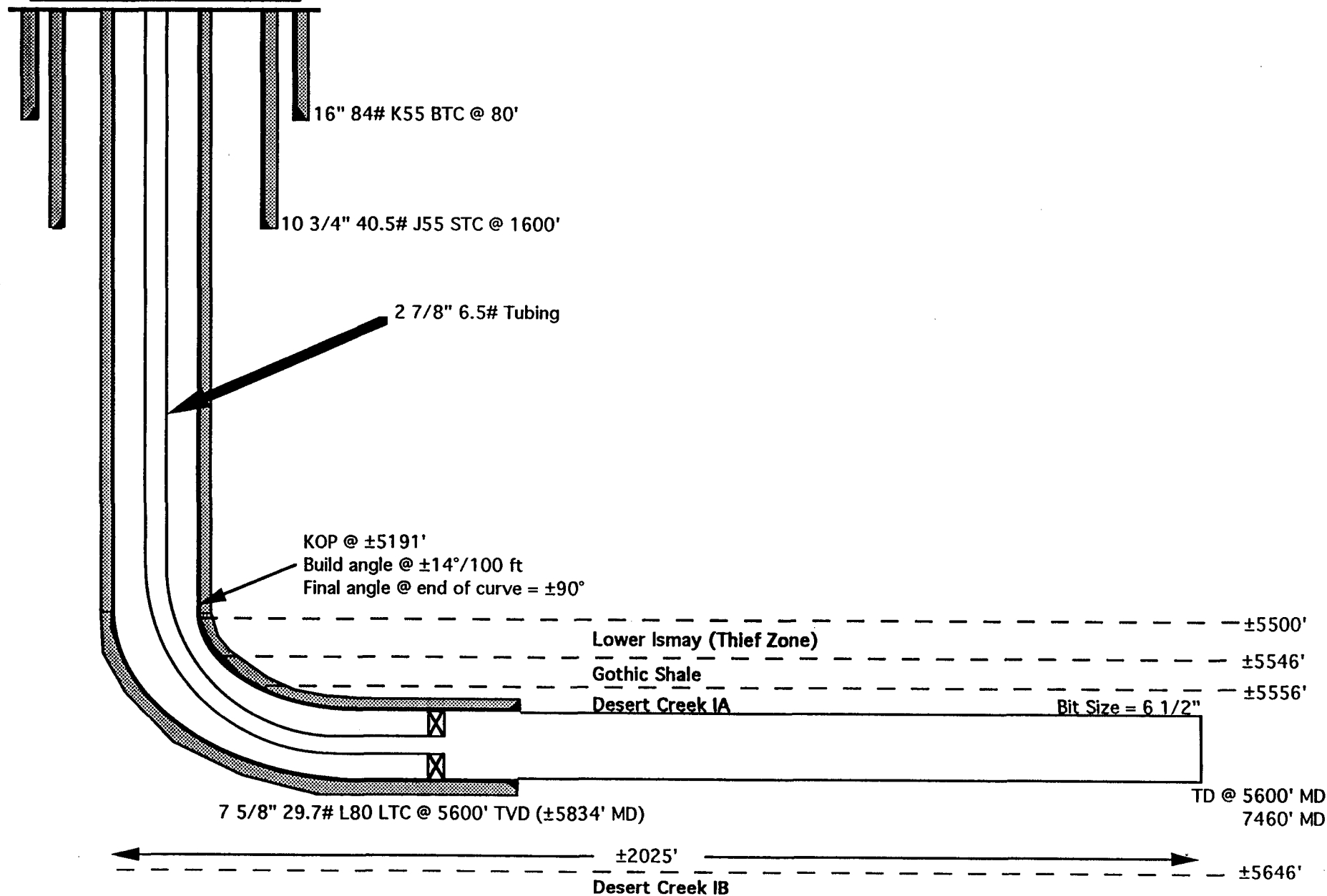
Possible water flows in the DeChelly formation may be encountered.

8. MISCELLANEOUS

It is expected to take ± 30 days to drill the well and ± 10 days to complete the well.

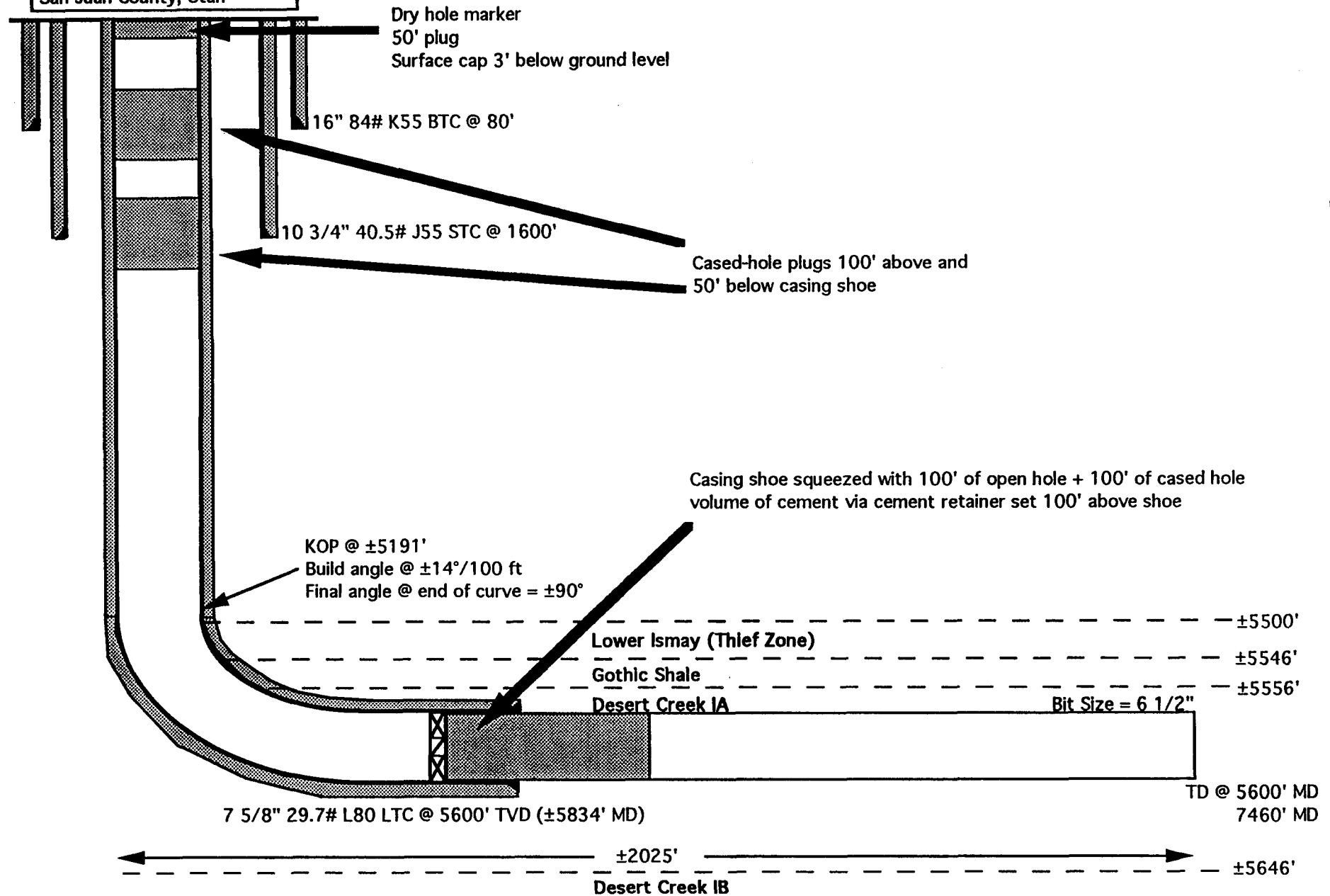
RATHERFORD UNIT #21-67 PROPOSED COMPLETION DIAGRAM

Surface Location:
Section 21 TWP 41S RGE 24E
2560 FSL & 1325 FWL
San Juan County, Utah



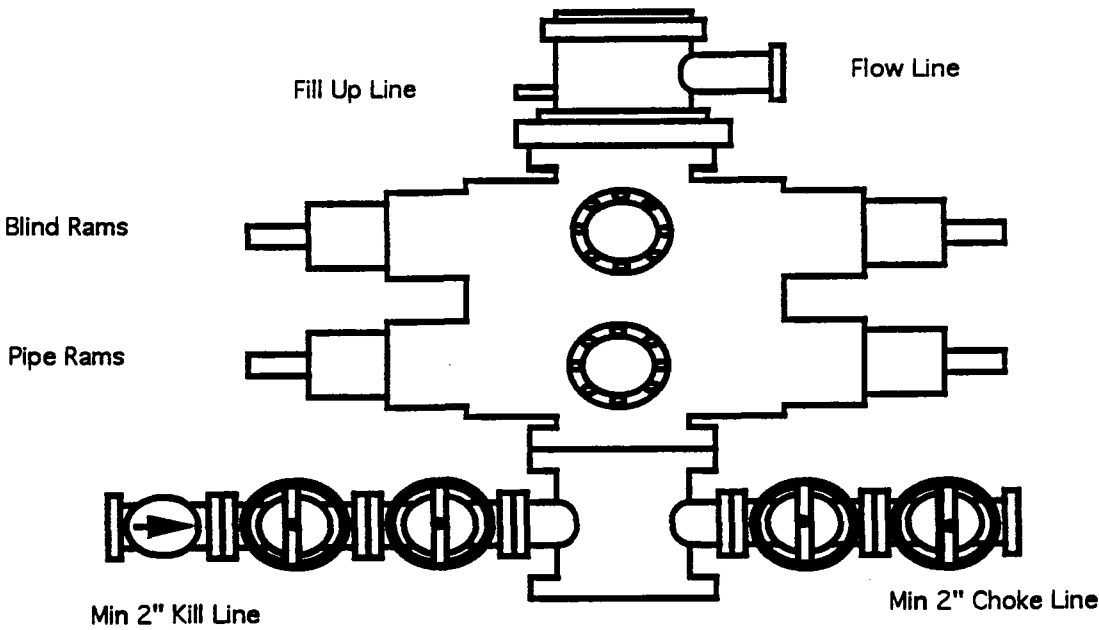
RATHERFORD UNIT #21-67 PROPOSED P&A DIAGRAM

Surface Location:
Section 21 TWP 41S RGE 24E
2560 FSL & 1325 FWL
San Juan County, Utah

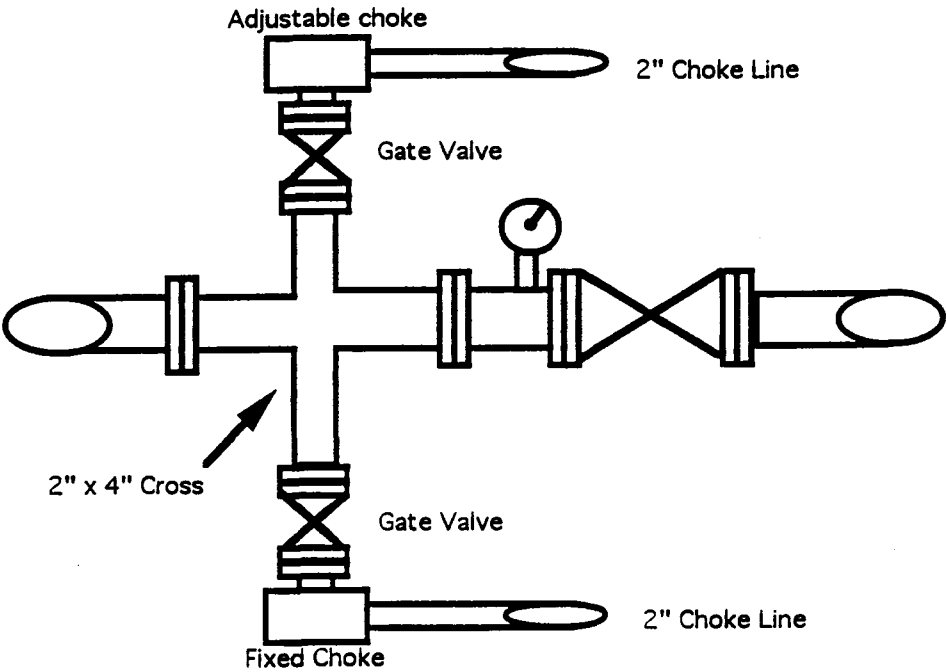


Mobil Oil Corporation
Typical Ratherford Unit Well
San Juan Co., Utah

BOP Equipment
11" x 3000 psi Working Pressure



Choke Manifold
3000 psi



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/13/95

API NO. ASSIGNED: 43-037-31753

WELL NAME: RATHERFORD UNIT 21-67
OPERATOR: MOBIL EXPL & PROD CO

N7370
(N3790)

PROPOSED LOCATION:

NW NESW 21 - T41S - R24E

SURFACE: 2560-FSL-1325-FWL

BOTTOM: 1300-FNL-0390-FEL, 20-415-246

SAN JUAN COUNTY

GREATER ANETH FIELD (365)

LEASE TYPE: IND

LEASE NUMBER: 14-20-603-355

PROPOSED PRODUCING FORMATION: DSCR

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal ☒ State ☐ Fee ☐
(Number _____)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number PRIVATE WELL)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

☒ R649-2-3. Unit: UTU 68931A
☐ R649-3-2. General.
☐ R649-3-3. Exception.
☐ Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS: _____

STIPULATIONS: _____

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: MOBIL EXPL & PROD US I	Well Name: RATHERFORD 21-67
Project ID: 43-037-31753	Location: SEC. 21 - T41S - R24E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
 Shut in surface pressure : 2297 psi
 Internal gradient (burst) : 0.059 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using buoyed weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Depth (TVD)	Cost
1	5,200	7.000	23.00	K-55	LT&C	5,200	5,200	
2	620	7.000	23.00	L-80	LT&C	5,820	5,700	

	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Load (kips)	Tension Strgth (kips)	S.F.
1	2404	3240	1.348	2605	4360	1.67	115.64	341	2.95 J
2	2635	3830	1.454	2635	6340	2.41	12.32	435	35.31 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 09-12-1995
 Remarks :

Minimum segment length for the 5,820 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 114°F (Surface 74°F , BHT 154°F & temp. gradient 1.400°/100 ft.)

String type: Production

Type of trajectory: build and hold.

Minimum drift diameter of this well string is 6.250 in. Other parameters

include: TD (Meas): 5,820 ft. Departure @ TD: 302 ft.

KOP: 5,300 ft. BU α : 19.000°/100 ft.

@ 1st Slant α : 48.925° VD: 5,527 ft Departure: 103 ft MD: 5,558 ft

Bending load: 192.72 kips

The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 2,635 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 12, 1995

Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.
P.O. Box 663
Midland, Texas 79702

Re: Ratherford 21-67 Well, 2560' FSL, 1325' FWL, NW SW, Sec. 21, T. 41 S., R. 24 E.,
San Juan, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-31753.

Sincerely,

R. J. Firth
Associate Director

pjl

Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Moab District Office
WAPD



Operator: Mobil Exploration & Producing U.S. Inc.
Well Name & Number: Ratherford 21-67
API Number: 43-037-31753
Lease: Navajo Tribal 14-20-603-355
Location: NW SW Sec. 21 T. 41 S. R. 24 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other

INJECTOR

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702

915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1325' FWL, 2560' FSL

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 21-67

9. API Well No.

NA

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other

CORRECTION BHL

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CORRECTION ON APD FOR THE BOTTOM HOLE LOCATION.
1623' N & 1717' W OF 21-67 SURFACE LOCATION.

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Robertson

Title ENV. & REG. TECHNICIAN

Date 8-17-95

(This space for Federal or State office use)

Approved by

P. J. Patterson

Title

Petroleum Engineer

Date

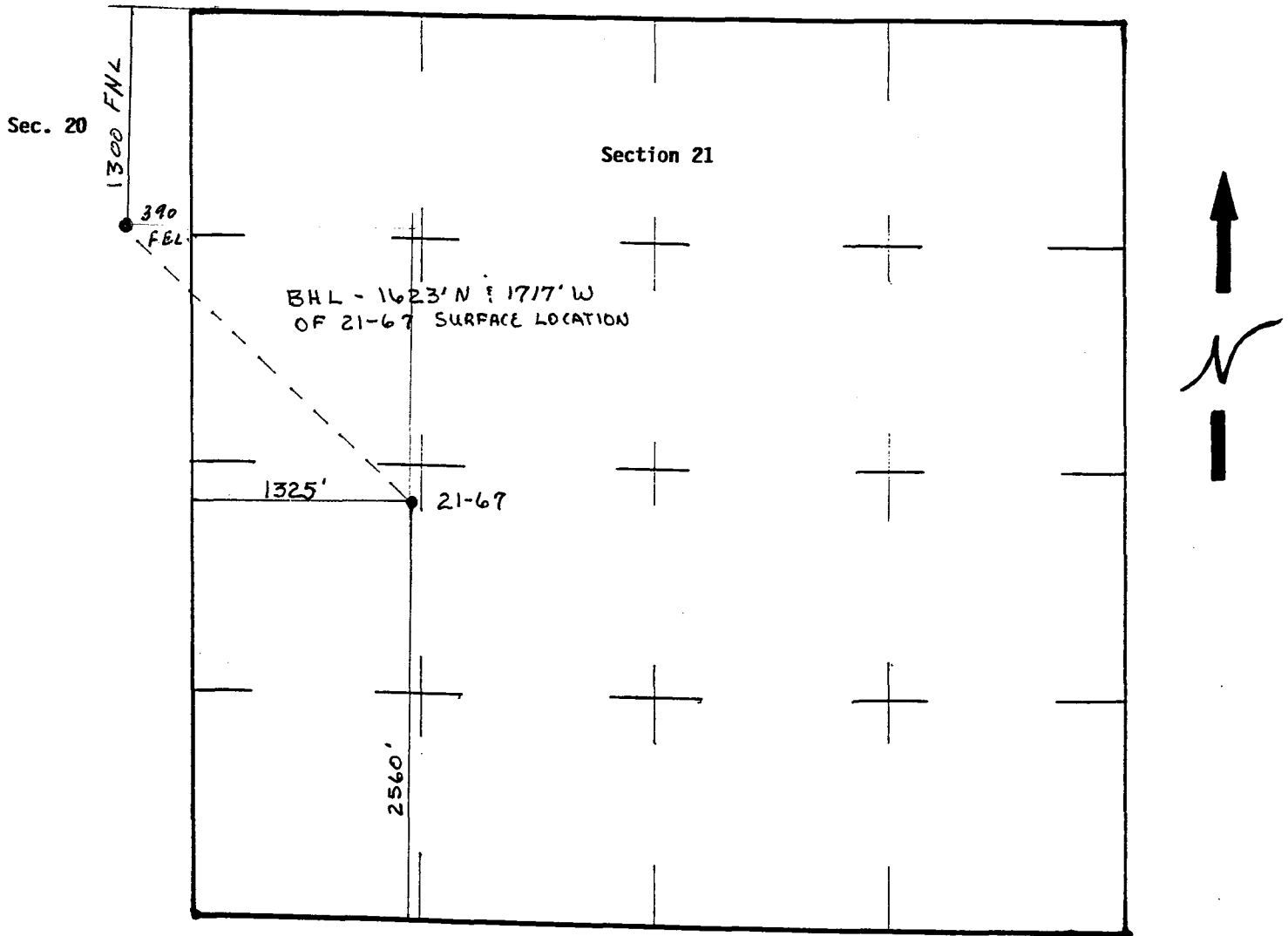
9/12/95

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

MOBIL EXPLORATION & PRODUCING U.S. INC.
as Agent for MEPNA & Mobil Oil Corp.



RATHERFORD UNIT #21-67

Sec. 21, T41s, R24E

1325' FWL, 2560' FSL

Amended BHL - 1623' N & 1717' W from 21-67
Surface Location

San Juan County, Utah

Scale 1" = 1,000'

Form 3160-3
(July 1992)SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

INJECTOR

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR Mobil Exploration & Producing U.S. Inc.

as Agent for Mobil Producing TX & NM Incx.

3. ADDRESS AND TELEPHONE NO.

P.O. Box 633, Midland, TX 79702

915-688-2585

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1325'FWL, 2560' FSL

At proposed prod. zone

~~BHL 50' FNL, 1382' FEL~~SEE PLAT
1300 FNL 390 FEL SEC. 20, 415, 24E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

4.5 MI. S. OF MONTEZUMA CREEK, UT

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

2600' FSE CORNER

16. NO. OF ACRES IN LEASE

2161

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

8631 SE OF 21-23

19. PROPOSED DEPTH

TVD-6600 MD 7460

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DR, RT, GR, etc.)

GR - 4758

22. APPROX. DATE WORK WILL START*

SEPT.

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" H40	48#	80'	110SX
12 1/4"	9 5/8" J55	36#	1600'	690SX
8 3/4"	7" K55 & L80	23#	5600'	750SX

AMEND CASING AND CEMENTING PROGRAM

SEE ATTACHMENT FOR CASING AND CEMENTING PROGRAM.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Shirley Robertson

TITLE

ENV. & REG. TECHNICIAN

DATE

8-14-95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

SEP 01 1995

APPROVED BY

TITLE

DATE

DISTRICT MANAGER

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☐

OTHER INJECTOR

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Incx.

3. ADDRESS AND TELEPHONE NO.

P.O. Box 633, Midland, TX 79702

915-688-2585

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1325'FWL, 2560' FSL

At proposed prod. zone

BHL 50' FNL, 1382' FEL

SEE PLAT
1300 FNL 390 FEL SEC. 20 41S, 24E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

4.5 MI. S. OF MONTEZUMA CREEK, UT

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

2600' FSE CORNER

16. NO. OF ACRES IN LEASE

2161

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

8631 SE OF 21-23

19. PROPOSED DEPTH

TVD-5600 MD 7460

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR - 4756

22. APPROX. DATE WORK WILL START*

SEPT.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" H40	48#	80'	110SX
12 1/4"	9 5/8" J55	36#	1600'	690SX
8 3/4"	7" K55 & L80	23#	5600'	750SX

AMEND CASING AND CEMENTING PROGRAM
SEE ATTACHMENT FOR CASING AND CEMENTING PROGRAM.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Shirley Robertson

TITLE

ENV. & REG. TECHNICIAN

DATE

8-14-95

(This space for Federal or State office use)

PERMIT NO.

43-037-31753

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Matthew

TITLE

Petroleum Engineer

DATE

9/12/95

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other INJECTOR

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.
P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1325' FWL, 2560' FSL

5. Lease Designation and Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 21-67

9. API Well No.

NA 43-037-31253

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other CORRECTION BHL
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CORRECTION ON APD FOR THE BOTTOM HOLE LOCATION.
1623' N & 1717' W OF 21-67 SURFACE LOCATION.

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Robertson

Title ENV. & REG. TECHNICIAN

Date

8-17-95

(This space for Federal or State office use)

Approved by

Petroleum Engineer

Title

Petroleum Engineer

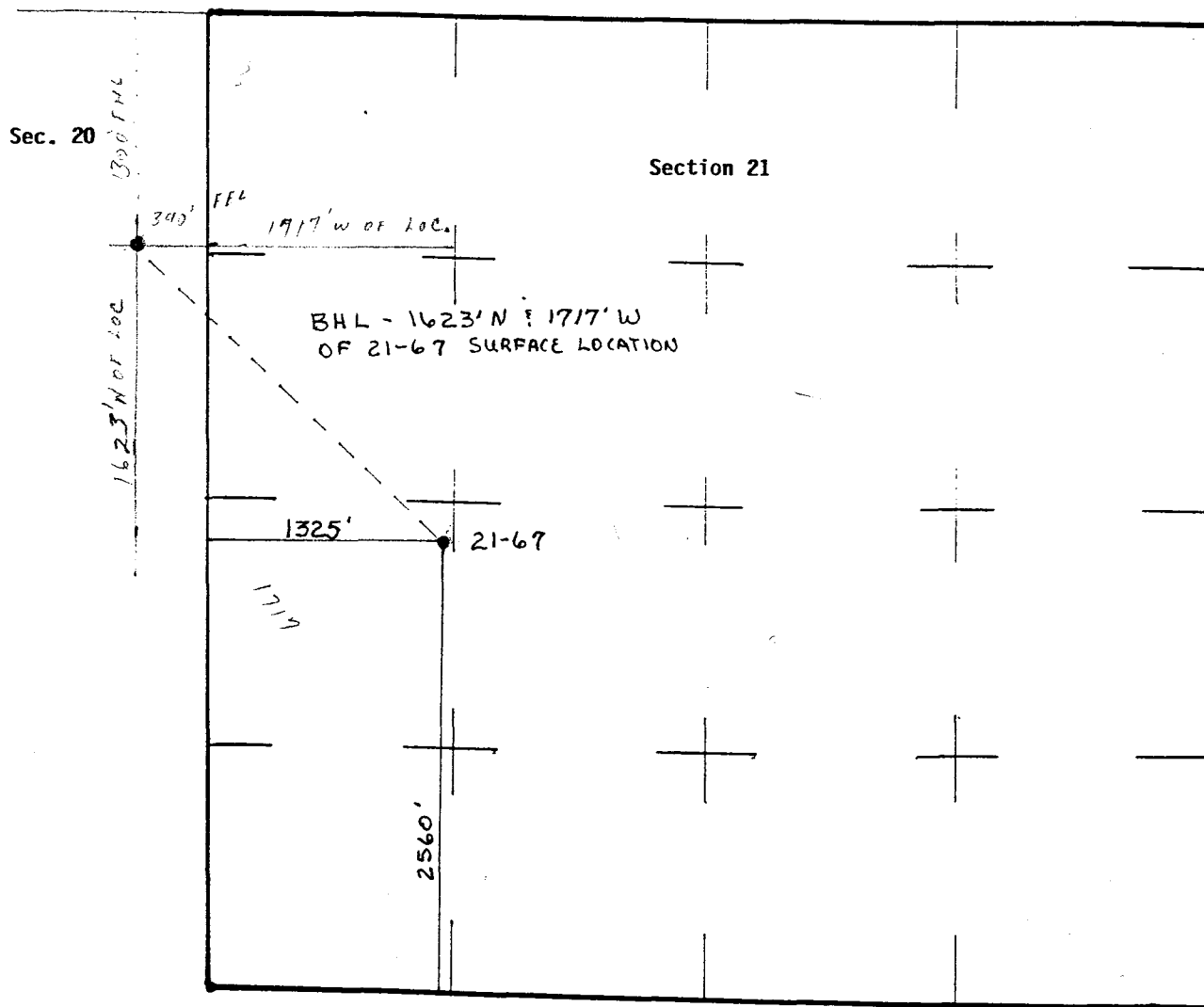
Date

9/12/95

Conditions of approval, if any:

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MOBIL EXPLORATION & PRODUCING U.S. INC.
as Agent for MEPNA & Mobil Oil Corp.



RATHERFORD UNIT #21-67

Sec. 21, T41s, R24E

1325' FWL, 2560' FSL

Amended BHL - 1623' N & 1717' W from 21-67
Surface Location

San Juan County, Utah

Scale 1" = 1,000'

Mobil Oil Corporation
Ratherford Unit #21-67
2395' FSL and 1178' FWL
Section 21, T-41-S, R-24-E
San Juan County, Utah

Eight Point Drilling Program

1. ESTIMATED FORMATION TOPS*

<u>Formation Name</u>	<u>Depth from GL</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Chinle	1535'	1547'	3260'
DeChelly SS	2630'	2642'	2165'
Hermosa LS	4570'	4582'	225'
Ismay LS	5414'	5426'	-619'
L. Ismay LS	5500'	5512'	-705'
Gothic Shale	5546'	5558'	-751'
Desert Creek I	5556'	5568'	-761'
Total Depth (TD)	5595'(7834' MD)	5607'	-800'

* All true vertical depths (TVD) based on ground level of 4795'.

2. NOTABLE ZONES

The estimated formation top depths from GL at which water, oil, gas, or other mineral bearing zones may be encountered are:

<u>Possible Water Zone</u>	<u>Possible Coal Zone</u>	<u>Possible Oil or Gas Zones</u>
DeChelly SS 2630'		Desert Creek I 5556' (TVD)

Propose to drill, complete, and equip an oil producer in the Desert Creek formation.

The well will be cased throughout its length and cemented to the surface, if possible.

3. PRESSURE CONTROL (See "5" on Page 3)

Examples of a typical BOP and choke manifold are on Page 4. Maximum anticipated surface pressure will be 2,000 psi.

Once out from under the surface casing, a minimum 11" 3,000 psi system will be used with two hydraulic rams (blind/pipe). The choke manifold will have a minimum 3,000 psi rating.

BOP's will be tested to their working pressure after nipping up and after any use under pressure. Pipe rams will be function tested daily. Blind rams will be function tested after each trip out of the hole. BOP tests will be recorded on IADC reports.

Upper and lower kelly valves, floor safety valve, and drill string inside BOP rated at a minimum 3,000 psi will be maintained on the floor at all times. Upper and lower kelly valves with handler available will be in use at all times. Back pressure and full opening drill string safety valves to fit all drill strings in use will be available on the rig floor at all times.

Mobil Oil Corporation
 Ratherford Unit #21-67
 2395' FSL and 1178' FWL
 Section 21, T-41-S, R-24-E
 San Juan County, Utah

4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
17-1/2"	13-3/8"	48#	H40	ST&C	New	0000' - 0080'
12-1/4"	9-5/8"	36#	J55	ST&C	New	0000' - 1600'
8-3/4"	7"	23#	K55	LT&C	New	0000' - 5200'
8-3/4"	7"	23#	L80	LT&C	New	5200' - ±5600'

Surface Casing (0' to 80'): Cement to surface with 110sx (131 ft³). Volume calculated with 100% excess. Class "B" + 2% CaCl₂ + 0.25 pps Flocele (Density = 15.61 ppg, Yield = 1.19 ft³/sx).

Intermediate Casing (0' to 1600'): Cement to surface with 690 sx (1027 ft³). Volume calculated with 100% excess. **Lead** with 410 sx (694 ft³) of 65:35 Class "B":Poz + 6% gel + 2% CaCl₂ + 0.25 #/sk Flocele (Density = 12.8 ppg, Yield= 1.73 ft³/sx). **Tail** with 280 sx (333 ft³) Class "B" + 2% CaCl₂ (Density = 15.61 ppg, Yield = 1.19 ft³/sx). Total of 11 centralizers and one stop collar. One on the shoe joint and one every fourth collar to 200' from surface. Actual cement volumes to be based on the OH caliper plus 30% excess.

Production Casing (0' to 5800'): Cement to surface with 1201 ft³ in two stages using stage tool. Volume calculated with 100% excess.

Stage 1: Lead with 230 sx (419 ft³) of class G + 6% gel + 0.25 pps Flocele + 5 #/sx gilsonite (Density = 12.54 ppg, Yield= 1.82 ft³/sx). **Tail** with 150 sx (173 ft³) of class G + 0.4% Halad-344 + 0.3% VERSASET (Density = 15.79ppg, Yield= 1.15 ft³/sx). Actual cement volumes to be based on the OH caliper plus 30% excess.

Stage 2: Lead with 270 sx (491 ft³) of class G + 6% gel + 0.25 pps Flocele + 5 #/sx gilsonite (Density = 12.54 ppg, Yield= 1.82 ft³/sx). **Tail** with 100 sx (118 ft³) of class G + 2% CaCl₂ (Density = 15.61 ppg, Yield = 1.19 ft³/sx)

Total of 38 centralizers and 1 stop collar. One centralizer on the float shoe then every fourth collar.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0000' - 1600'	FW/Spud Mud	8.8-9.2	45-50	NC
1600' - 5772'	FW/PHPA	9.3-9.8	36 - 48	NC
5772 - TD	FW/XCD	8.7-8.9	30-32	10 - 15

Mobil Oil Corporation
Ratherford Unit #21-67
2395' FSL and 1178' FWL
Section 21, T-41-S, R-24-E
San Juan County, Utah

6. CORING, TESTING, AND LOGGING

No cores are currently planned. Neutron, Dual Induction, and Sonic logs may be run. A few RFT tests may also be run.

7. DOWNHOLE CONDITIONS

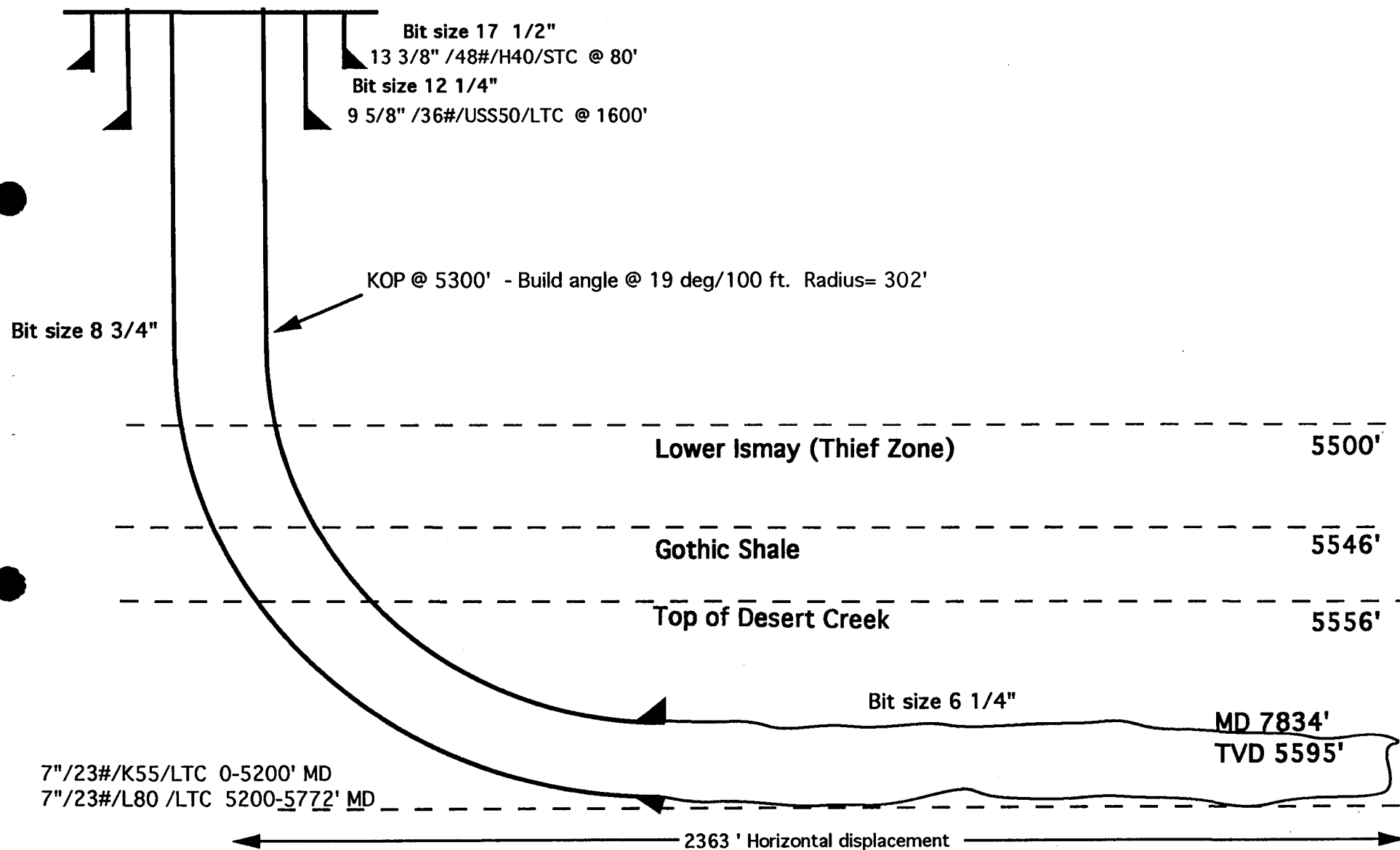
Possible water flows in the DeChelly formation may be encountered.

8. MISCELLANEOUS

It is expected to take +/- 24 days to drill the well and 10 days to complete the well.

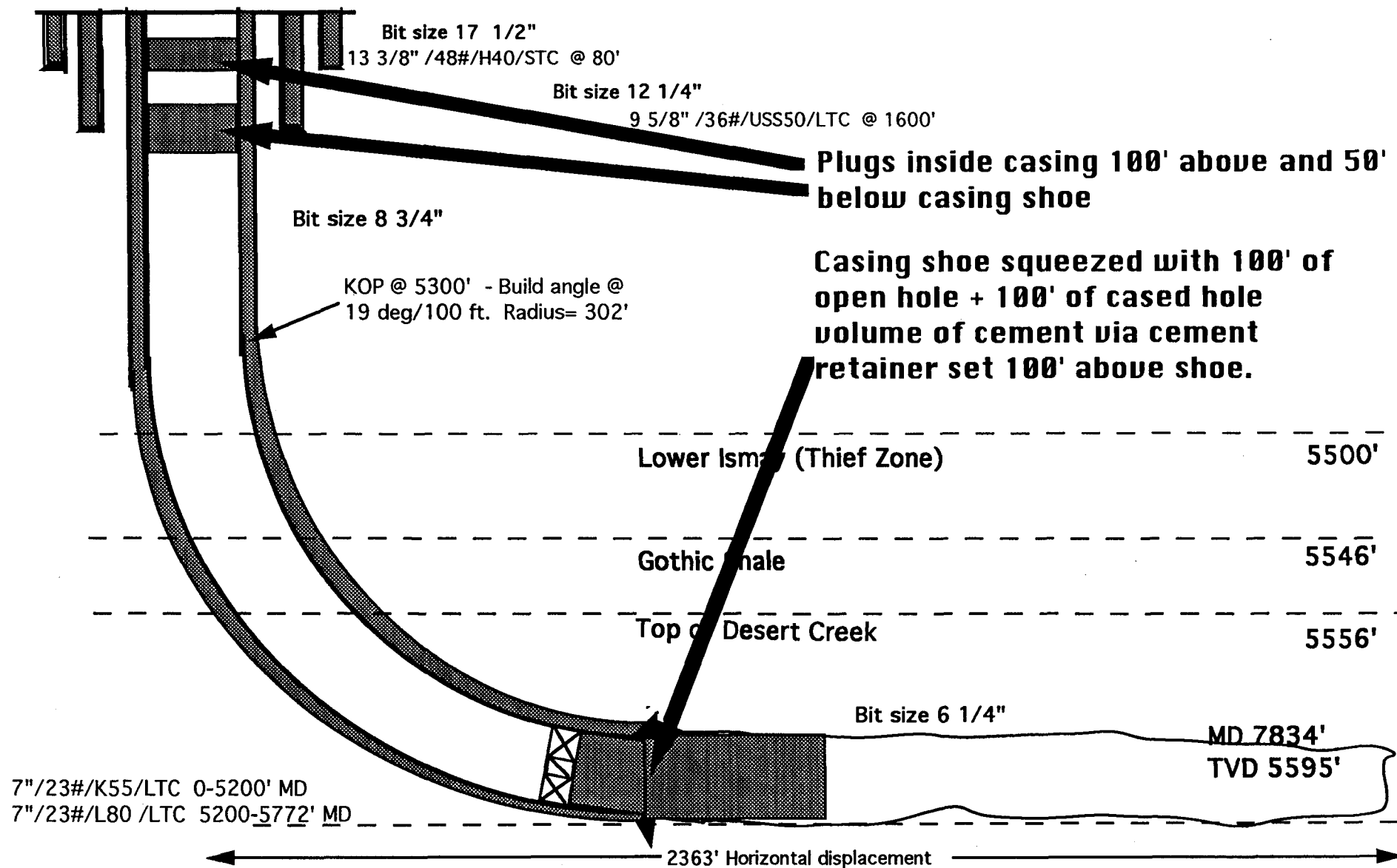
Surface Location:
Section 21 TWP 41S RGE 24E
2395' FSL & 1178' FWL
San Juan County, Utah

RATHERFORD UNIT #21-67 PROPOSED WELL DIAGRAM



Surface Location:
Section 21 TWP 41S RGE 24E
2395' FSL & 1178' FWL
San Juan County, Utah

RATHERFORD UNIT #21-67 PROPOSED P&A DIAGRAM



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
MEPUS for MPT&NM and MEPNA* (915) 688-2114

3. Address and Telephone No.
P.O. Box 633, Midland, Tx. 79702 Attn: Glen Cox

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface: NESW 21-41s-24e

BHL:

5. Lease Designation and Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

Ratherford

8. Well Name and No.

RU 21-67

9. API Well No.

**43 027-21759
43-037-**

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Ut.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other

Powerline

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

*Mobil Exploration & Producing U. S. Inc. as agent for Mobil Producing Texas & New Mexico Inc. and Mobil Exploration & Producing North America Inc.

Will install 350' long overhead ≤ 25 kv powerline due north from well. This route replaces never constructed line described in APD. That line led to a line with inadequate voltage.

cc: BIA, BLM, Cox, Dennis, Robertson, UDOGM

14. I hereby certify that the foregoing is true and correct

Consultant (505) 466-8120

10-10-95

Signed

Title

Date

(This space for Federal or State office use)

Approved by

Title

Date

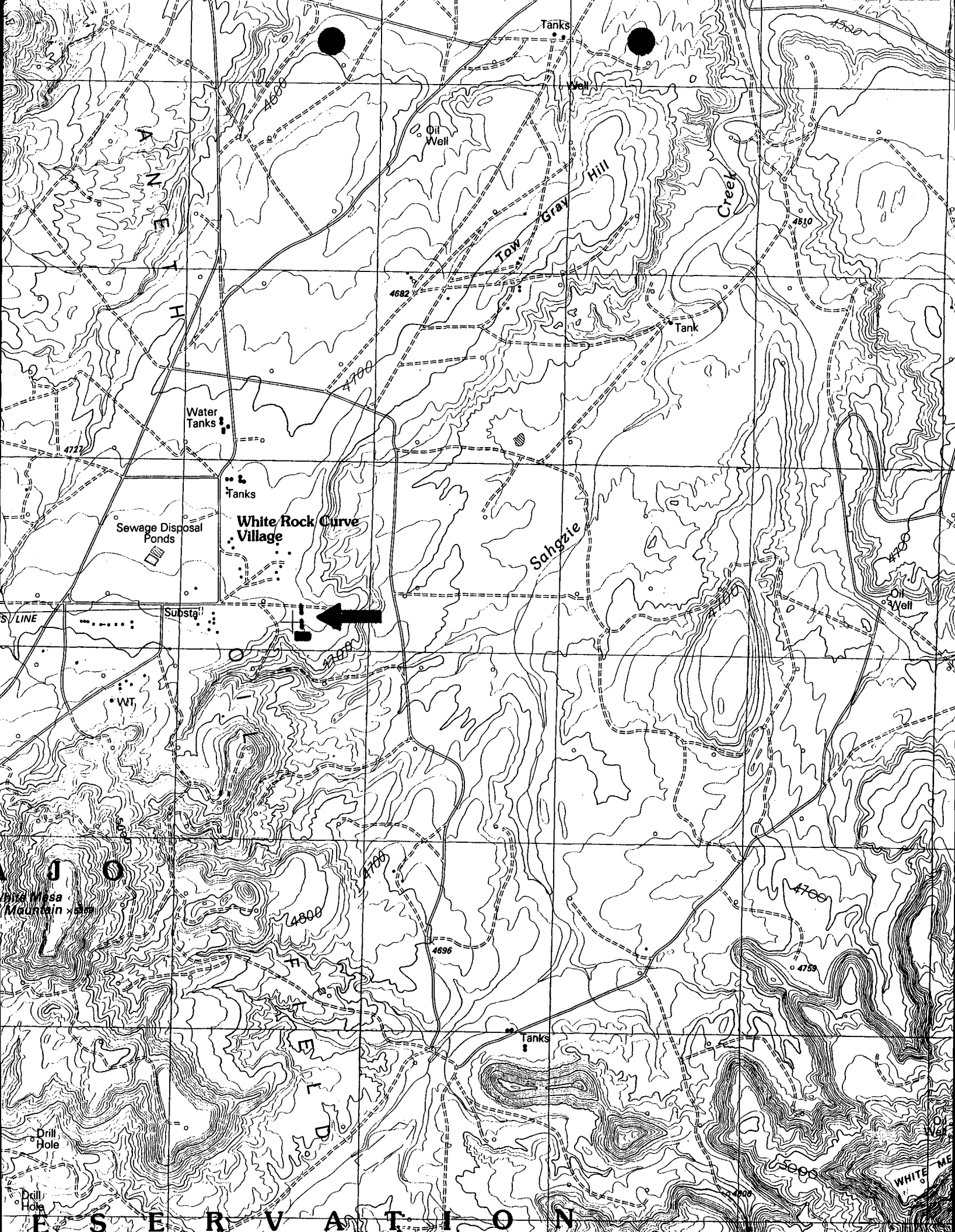
Conditions of approval, if any:

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



White Rock Curve
Village



White Mesa
Mountain

RESERVATION

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: MOBIL EXPLORATION & PRODUCTION

Well Name: RATHERFORD 21-67

Api No. 43-037-31753

Section 21 Township 41S Range 24E County SAN JUAN

Drilling Contractor BIG "A"

Rig # 32

SPUDDED: Date 11/14/95

Time

How ROTARY

Drilling will commence

Reported by DAVID NEAL

Telephone #

Date: 11/14/95 SIGNED: FRM

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well☐ Gas Well☒ Other INJECTOR2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 21, T41S, R24E
1325' FWL, 2560' FSL
PROPOSED BHL 1623' N, 1717' W OF SURF LOCATION

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

21-67

9. API Well No.

43-037-31753

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

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Subsequent Report

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Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

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Casing Repair

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Other

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHMENT

14. I hereby certify that the foregoing is true and correct

Signed

Shuley Robertson

Title ENV. & REG. TECHNICIAN

Date

12-6-95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See instruction on Reverse Side

Ratherford Unit #21-67

Sundry Notice Information

Summary of Activity to Date

The surface csg was set and cemented at 1600'. An 8 3/4" hole was drilled to 5225'. This hole was difficult to get in and out of and required much reaming. Mobil spent six days trying to get the hole in shape in order to run casing. The 7" casing was run into the well but would not go past 2500', which is the same section of the hole that was a problem with the bit and reamer.

Proposed Activity

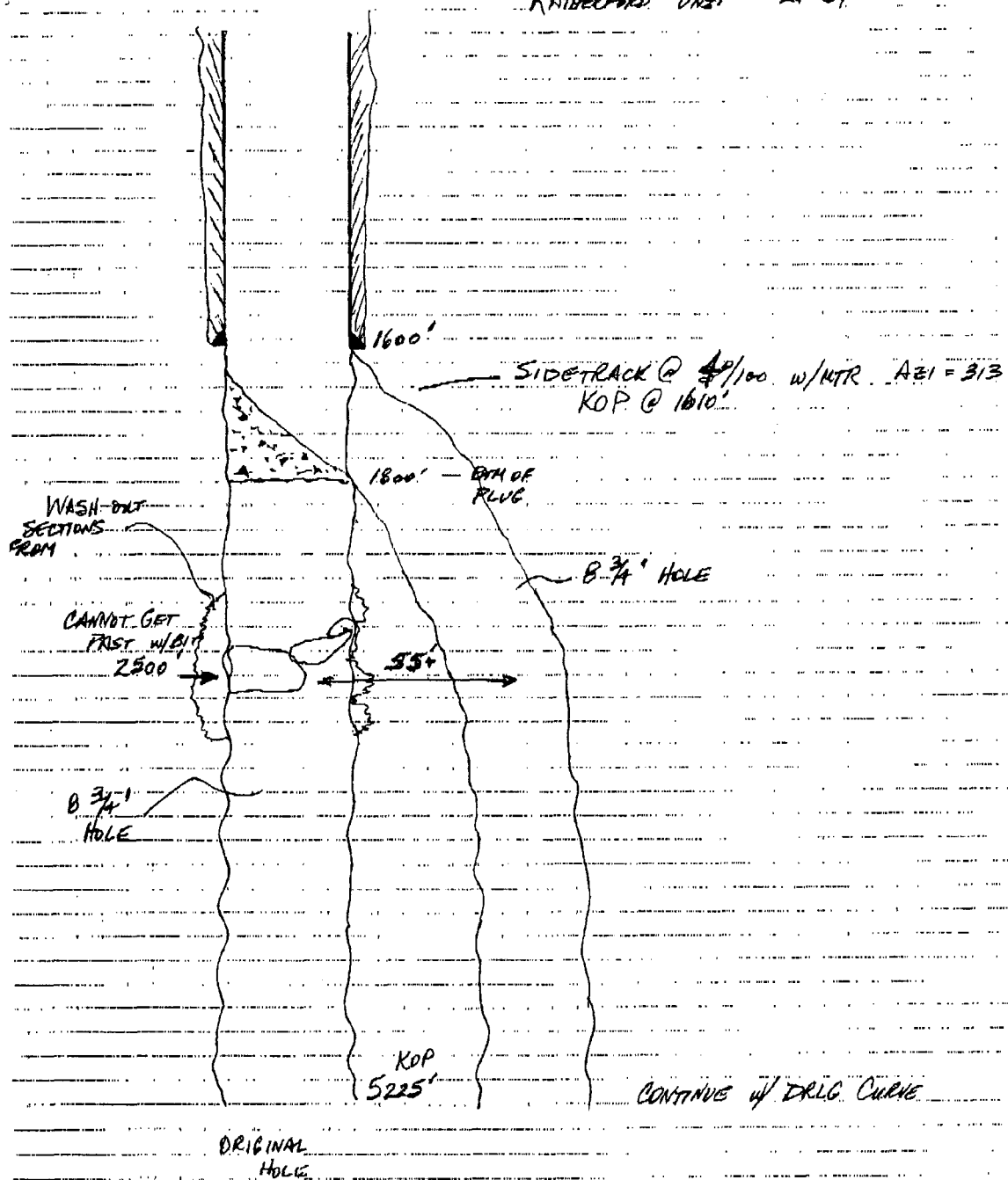
This activity was approved verbally on 12/5/95, by the BLM. It was discussed with Earl Becher (505)599-6358.

Mobil will set a cement plug from 1800-1500', dress it off to 1610' and sidetrack the well at 4 deg/100 ft. At 2500', that will be 55+' from the original wellbore. It is anticipated that the hole problems will be minimized by using a drilling mud with a fluid loss of 4 cc, a mud additive for stabilization, a funnel viscosity of 50, and a mud weight of 11.0.

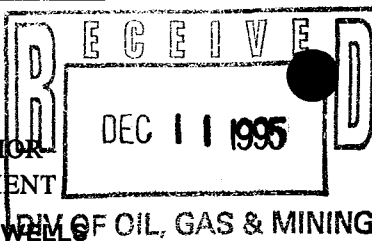
Once the KOP is reached again, the curve will be drilled as in the original eight point plan.

WG Storbeck, P.E. (915) 560-7775

RATHERFORD UNST #21-67



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS OF OIL, GAS & MINING

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other INJECTOR

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.
P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC. 21, T41S, R24E
1325' FWL, 2560' FSL
PROPOSED BHL 1623' N, 1717' W OF SURF LOCATION

5. Lease Designation and Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.

21-67

9. API Well No.

43-037-31753

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHMENT

14. I hereby certify that the foregoing is true and correct

Signed Shuley Robertson

Title ENV. & REG. TECHNICAIN

Date 12-6-95

(This space for Federal office use)

Approved by [Signature]

Title Petroleum Engineer

Date 12/12/95

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

Ratherford Unit #21-67

Sundry Notice Information

Summary of Activity to Date

The surface csg was set and cemented at 1600'. An 8 3/4" hole was drilled to 5225'. This hole was difficult to get in and out of and required much reaming. Mobil spent six days trying to get the hole in shape in order to run casing. The 7" casing was run into the well but would not go past 2500', which is the same section of the hole that was a problem with the bit and reamer.

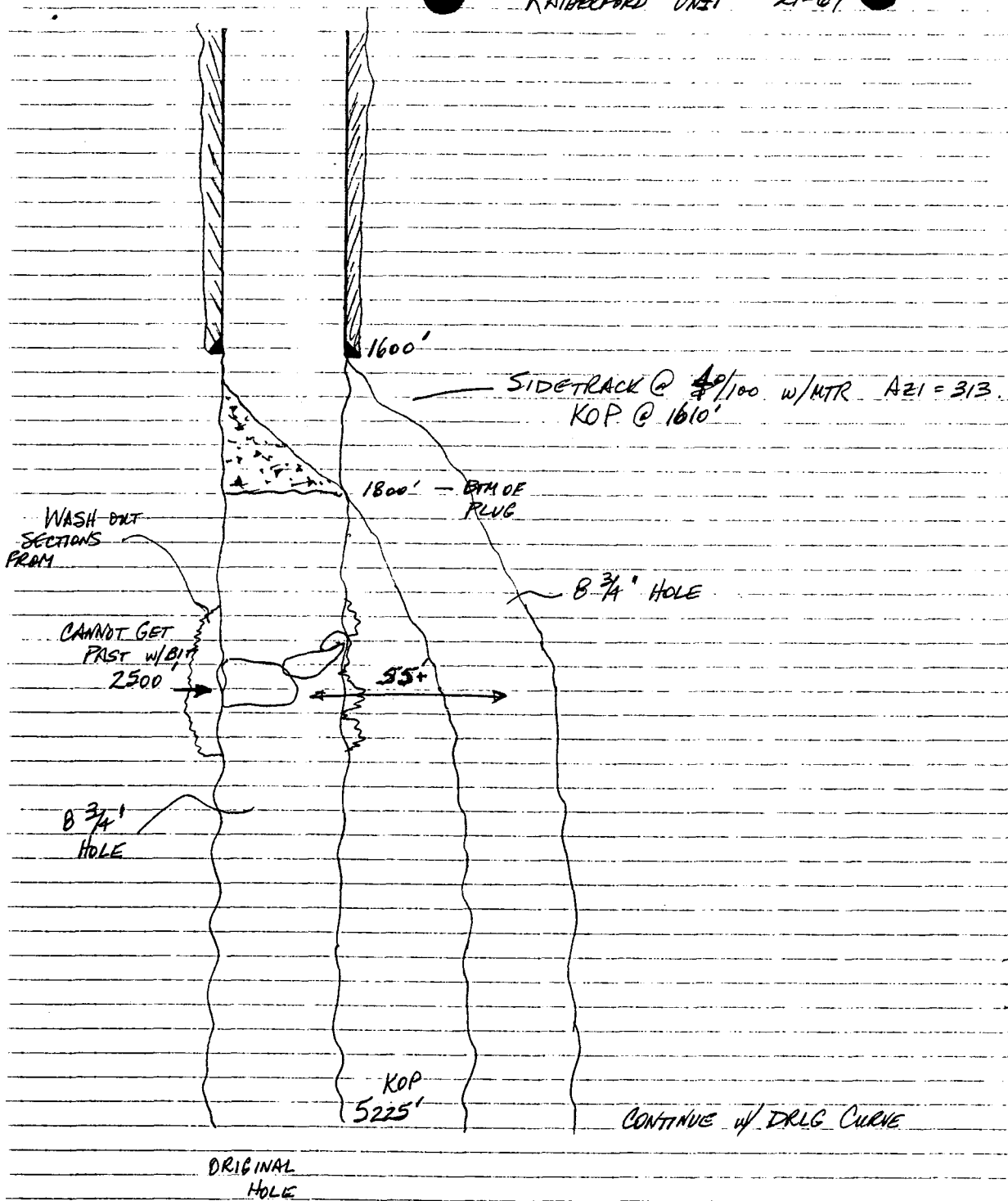
Proposed Activity

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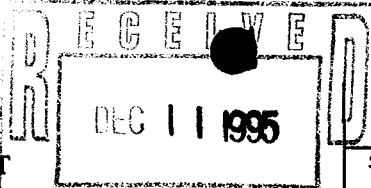
(165 sv cmt)
Mobil will set a cement plug from 1800-1500', dress it off to 1610' and sidetrack the well at 4 deg/100 ft. At 2500', that will be 55+' from the original wellbore. It is anticipated that the hole problems will be minimized by using a drilling mud with a fluid loss of 4 cc, a mud additive for stabilization, a funnel viscosity of 50, and a mud weight of 11.0.

Once the KOP is reached again, the curve will be drilled as in the original eight point plan.

WG Storbeck, P.E. (915) 560-7775



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS/ OF OIL GAS & MINING

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other INJECTOR

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.
P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1325' FWL, 2560' FSL
SEC. 21, T41S, R24E

5. Lease Designation and Serial No.
14-20-603-355
6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
21-67

9. API Well No.
43-037-31753

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other SPUD
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11-15-95 SPUD WELL @ 00:30 HRS. DRILL 12 1/4" HOLE TO 288'.
NOTIFIED EARROL BEACHER/BLM @ 08:30 HRS 11/14/95 TO SPUD WELL.
NOTIFIED STATE OF UTAH @ 08:45 HRS. 11/14/95 TO SPUD WELL.

11-17-95 RIH W/9 5/8" 36# US50 LTC CSG. SET SHOE @ 1632' DV TOOL @ 627'. CMT 1ST STAGE.
240X CL B (11.4 PPG, 2.36Y, 101.1 BBL) 100X CL 'B' TAIL CMT (15.5 PPG, 1.23Y, 21.9)
25 BBL CMT TO SURF. 2ND STAGE: CMT W/220X CL 'B' (11.4 PPG, 2.36Y, 92.7 BBL) 100X
CL 'G' NEAT TAIL. CMT TO SURF. TOPPED W/100X CL 'G' NEAT.

14. I hereby certify that the foregoing is true and correct

Signed Shirley Robinson

Title ENV. & REG. TECHNICIAN

Date 12-07-95

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

ENTITY ACTION FORM - FORM 6

OPERATOR Mobil Exploration & Producing U.S.

OPERATOR ACCT. NO. N 7370

ADDRESS P O Box 633

Midland, TX 79702

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	06280	43-037-31753	Ratherford Unit # 21-67	SWNE	21	41S	24E	San Juan	11-15-95	1-17-96
WELL 1 COMMENTS: <i>Entity added 3-11-96. Lec (Ratherford Unit)</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Shirley Roberson
Signature

Env. & Reg Tech.
Title

2-9-86
Date

Phone No. (915) 688-2585

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

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NAVAJO TRIBAL

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21-67

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11. County or Parish, State

SAN JUAN UT

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☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

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☐

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Casing Repair

☐

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☐

Other

COMPLETION

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

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NOTIFIED EARROL BEACHER/BLM @ 08:30 HRS 11/14/95 TO SPUD WELL.
NOTIFIED STATE OF UTAH @ 08:45 HRS. 11/14/95 TO SPUD WELL.

11-16-95 DRILL FROM 648' - 1636 (TD SURF HOLE.)

11-17-95 RIH W/9 5/8" 36# US50 LTC CSG. SET SHOE @ 1632' DV TOOL @ 627'. CMT 1ST STAGE.
240X CL B (11.4 PPG, 2.36Y, 101.1 BBL) 100X CL 'B' TAIL CMT (15.5 PPG, 1.23Y, 21.9)
25 BBL CMT TO SURF. 2ND STAGE: CMT W/220X CL 'B' (11.4 PPG, 2.36Y, 92.7 BBL) 100X
CL 'G' NEAT TAIL. CMT TO SURF. TOPPED W/100X CL 'G' NEAT.

11-18-95 DRILL 8 3/4" HOLE TO 2032'.

11-19-95 DRILL 2032 - 3137

11-20-95 DRILL 3137 - 3741' (WORK TIGHT CONNECTION @ 3614')

11-21-95 DRILL FROM 3741 - 4305.

11-22-95 DRILL FROM 4305 - 4530. (DECHELLY SLOUGHING)

11-23-95 DRILL FROM 4530-4692 CIRC. (DECHELLY SLOUGHING) CONT. TO CIRC. & CLEAN HOLE

11-24-95 DRILL FROM 4692 - 4910. TIGHT HOLE

11-25-95 DRILL FROM 4910 - 5165 CONTINUED ON ATTACHMENT

14. I hereby certify that the foregoing is true and correct

Signed

Title ENV. & REG. TECHNICIAN

Date

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

13 CONTINUED

11-26-95 DRILL FROM 5165 - KOP @ 5225'. TIGHT HOLE AT 2700+ AND 2440'
SLOUGHING AND BRIDGING OFF.

11-27-95 POOH W/ REAMERS BECAUSE OF BRIDGING DUE TO SLOUGHING OF
DECHELLY.

11-28-95 WASH AND REAM TO KOP AT 5225. POOH. TIGHT FROM 2700 - 2400.

11-29-95 DUE TO DECHELLY SLOUGHING. GETTING LARGE AMOUNT OF
CAVINGS OVER SHALE SHAKER

11-30-95 CONTINUE TO REAM FROM 2516 - 2754. WASH AND REAM TO 5185'.

12-01-95 REAM & WASH FROM 5185 TO KOP AT 5225'. TIGHT HOLE @ 2770,
2649', 2392'.

12-02-95 REAM FROM 2419 -2472 WHILE CONDITIONING MUD FOR 100 VIS+
TO CLEAN HOLE.

12-03-95 REAM FROM 2472-2761. (ATTEMPT TO WORK BIT AND REAMER TO
SAME DEPT W/O ROTATING ON PUMPING)

12-04-95 TIH W/MILL TOOTH BIT ON SLICK BHA. RAM FROM 2462-2503.

12-05-95 RIH W/7", 23# K-55 CSG. SET DOWN AT 2492' (UNABLE TO GET CSG
BELOW 2497')

12-06-95 MIX & PUMP 160 SXS CL ' G' (17PPG, 1.05 YLD) sPOT 300' CMT PLUG
FROM 1837 -1537

12-07-95 TAG. CMT AT 1537' DRESS OFF CMT PLUG FROM 1537-1652. DRILL
FROM 1652-1694

12-08-95 DRILL FROM 1710-2007

12-09-95 DRILL FROM 2007 - 2440

12-10-95 DRILL FROM 2459-2936

12-11-95 DRILL FROM 2936 - 3112.

12-12-95 DRILL FROM 3112 - 3376

12-13-95 DRILL FROM 3376-3706

12-14-95 DRILL FROM 3706 3934

12-15-95 DRILL FROM 3934 - 4264

12-16-95 DRILL FROM 4264 - 4568

12-17-95 DRILL FROM 4568 - 4798

12-18-95 DRILL FROM 4798 - 5011

12-19-95 DRILL FROM 5011 - 5200

12-20-95 DRILL CURVE FROM 5200' TO 5207

12-21-95 DRILL FROM 5207 - 5394

12-22-95 DRILL FROM 5394 - 5581

12-23-95 DRILL FROM 5581 - 5794

12-24-93 REAM CURVE SECTION FROM 5164 - 5794

12-25-95 CMT 1ST STAGE W/650 SX CL B (13.5 PPG 163 BBL, 1.41 YLD.) 150
SX CL ' G' TAIL CMT (15.7 PPG, 31 BBL, 1.16 YLD). CIRC 60 BBLS
CMT 2ND STAGE W/300 SX CL B (11.45 PPG, 129 BBL, 2.33 YLD), 50 SX
CL ' G' TAIL CIRC 41 BBLS CMT TO PIT

12-26-95 ND BOP CUT OFF CSG. TEST SAME TO 3000 PSI, OK

12-27-95 DRILL OUT DVT AT 2934' PRESSURE TEST 7" CSG TO 2300 OK. RAN
CBL FROM 5500' - 4500'

12-28-95 TAG CMT AT 5702. DRILL CMT FROM 5702 - 5748

12-29-95 DRILL FROM 5802 - 6268

12-30-95 DRILL FROM 6265 - 6865

12-31-95 DRILL FROM 6865 - 7563

01-01-96 DRILL FROM 7563 - 7862 (TD)

01-11-96 RIH W/ BIT & SCRAPER TO 5200'

01-16-95 RIH W/155 JTS CMT LINED 2 7/8 TBG TO 5200

01-17-96 SET PKR @ 5764' TEST BACKSIDE TO 1000 PSI FOR 30 MIN OK

02-15-96 MIRU

02-16-96 CIRC W/PROD. WTR. SPOT 100 BBL XYLENE IN LATERAL. DISPLACE W/
PRODUCED WATER.

02-17-96 TAG CMT @ 7450' PUMP 10 BBL ACID WASH THROUGH BRIDGE. GIH TAG @
7700' ACDZ 7835' - 7385' W/458 BBL ACID. PUMPED @ 1.45 BPM CT
PRESS 4200 PSI. ANNULAR PRESS MAX 2250. PSI

MOBILE EXPLORATION

Structure : SECTION 21
Field : SAN JUAN COUNTY

Well : RU #21-67
Location : UTAH

Scale 1 : 80.00

East =>

-1920 -1760 -1600 -1440 -1280 -1120 -960 -800 -640 -480 -320 -160 0 160

Proposed

Actual

1760

1600

1440

1280

1120

960

800

640

480

320

160

0

-160

<= North

Scale 1 : 80.00

Created by : mde
Data plotted : 16-Jan-80
Well Reference is Rst Profile 00-Nov-80
Coordinates are in test reference Rutherford Unit #21-67
True Vertical Depth is reference wellhead.
--- Sperry-Sun Drilling Services ---

<= True Vertical Depth

4700

4900

5100

5300

5500

5700

Scale 1 : 100.00

-300 -100 100 300 500 700 900 1100 1300 1500 1700 1900 2100 2300 2500 2700

Vertical Section on 313.39 azimuth with reference 0.00 N, 0.00 E from Rutherford Unit #21-67

MOBIL EXPLORATION
SECTION 21
Ratherford Unit #21-67
SAN JUAN COUNTY
UTAH

SURVEY LISTING

Your ref : SSDS Multishot & DWD survey
Our ref : svy324
Other ref :

Date printed : 16-Jan-96
Date created : 16-Jan-96
Last revised : 16-Jan-96

Field is centred on n36 49 6.000,w107 59 42
Structure is centred on n36 49 6.000,w107 59 42

MOBIL EXPLORATION
SECTION 21 Ratherford Unit, RU #21-67
SAN JUAN COUNTY, UTAH

SURVEY LISTING Page 1
Your ref : SSDS Multishot & DWD survey
Last revised : 16-Jan-96

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
265.00	0.38	162.00	265.00	0.84 S	0.27 E	0.14	-0.77
505.00	0.38	199.00	504.99	2.34 S	0.26 E	0.10	-1.80
762.00	0.38	217.00	761.99	3.83 S	0.53 W	0.05	-2.25
1008.00	0.50	274.00	1007.98	4.41 S	2.09 W	0.18	-1.51
1286.00	0.75	292.00	1285.96	3.64 S	4.99 W	0.11	1.12
1632.00	0.75	301.89	1631.94	1.60 S	9.01 W	0.04	5.45
1646.00	0.70	309.40	1645.93	1.49 S	9.16 W	0.77	5.62
1677.56	1.20	312.40	1677.49	1.15 S	9.55 W	1.59	6.14
1707.97	1.80	312.50	1707.89	0.61 S	10.14 W	1.97	6.94
1738.71	3.30	310.10	1738.60	0.28 N	11.17 W	4.89	8.31
1770.49	4.80	308.80	1770.30	1.71 N	12.90 W	4.73	10.55
1802.13	5.60	313.90	1801.81	3.61 N	15.05 W	2.92	13.41
1833.09	6.00	320.30	1832.61	5.90 N	17.17 W	2.45	16.53
1863.23	6.20	321.70	1862.58	8.39 N	19.19 W	0.83	19.70
1893.95	5.90	322.40	1893.13	10.94 N	21.18 W	1.00	22.90
1925.58	5.60	322.60	1924.60	13.45 N	23.11 W	0.95	26.03
1957.05	5.60	321.60	1955.92	15.88 N	24.99 W	0.31	29.07
1987.70	5.30	322.50	1986.43	18.17 N	26.78 W	1.02	31.94
2018.54	5.00	321.60	2017.14	20.36 N	28.49 W	1.01	34.68
2050.16	5.10	321.60	2048.64	22.54 N	30.22 W	0.32	37.44
2081.02	5.30	320.20	2079.38	24.71 N	31.98 W	0.77	40.21
2112.80	5.00	322.10	2111.03	26.93 N	33.77 W	1.08	43.04
2144.68	5.20	324.80	2142.78	29.20 N	35.46 W	0.98	45.83
2174.80	4.70	326.20	2172.79	31.34 N	36.93 W	1.71	48.37
2206.57	5.30	328.70	2204.44	33.68 N	38.42 W	2.01	51.05
2237.08	5.00	327.80	2234.82	36.01 N	39.86 W	1.02	53.70
2297.95	5.30	319.40	2295.45	40.39 N	43.10 W	1.33	59.06
2359.90	5.10	312.50	2357.14	44.42 N	46.99 W	1.06	64.66
2422.23	4.20	315.20	2419.27	47.91 N	50.64 W	1.48	69.72
2482.58	4.20	318.20	2479.46	51.13 N	53.67 W	0.36	74.13
2514.21	3.80	308.20	2511.01	52.64 N	55.27 W	2.54	76.32
2577.70	3.00	293.60	2574.39	54.61 N	58.44 W	1.85	79.98
2639.98	2.20	293.70	2636.60	55.74 N	61.03 W	1.28	82.64
2700.92	1.50	328.90	2697.51	56.89 N	62.52 W	2.14	84.51
2763.73	0.70	0.80	2760.31	57.98 N	62.93 W	1.56	85.56
2824.53	0.20	38.90	2821.11	58.43 N	62.86 W	0.92	85.82
2885.73	0.50	65.80	2882.31	58.63 N	62.55 W	0.54	85.73
3208.00	0.88	109.00	3204.56	58.40 N	58.93 W	0.19	82.94
3724.00	0.25	102.00	3720.53	56.87 N	54.08 W	0.12	78.37
4255.00	0.75	338.00	4251.52	59.86 N	54.25 W	0.17	80.54
4597.00	0.75	269.00	4593.49	61.89 N	57.33 W	0.25	84.18
5152.00	0.60	233.70	5148.46	60.11 N	63.30 W	0.08	87.29
5190.55	0.70	234.90	5187.00	59.85 N	63.66 W	0.26	87.38
5221.75	5.20	306.60	5218.16	60.59 N	64.95 W	16.10	88.82
5253.07	11.10	314.40	5249.15	63.54 N	68.24 W	19.12	93.24
5284.75	17.40	312.20	5279.84	68.86 N	73.94 W	19.96	101.04
5315.93	22.40	319.30	5309.15	76.51 N	81.27 W	17.78	111.62
5347.11	26.20	314.60	5337.57	85.85 N	90.05 W	13.67	124.41
5377.29	27.80	312.10	5364.46	95.24 N	100.02 W	6.50	138.11
5408.17	29.80	314.70	5391.52	105.47 N	110.82 W	7.64	152.98
5439.66	32.70	303.90	5418.46	115.73 N	123.45 W	20.00	169.21
5469.47	37.10	304.70	5442.90	125.34 N	137.53 W	14.84	186.05

All data is in feet unless otherwise stated
Coordinates are from Ratherford Unit #21-67 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 313.42 degrees.
Calculation uses the minimum curvature method.

MOBIL EXPLORATION
SECTION 21 Ratherford Unit, RU #21-67
SAN JUAN COUNTY, UTAH

SURVEY LISTING Page 2
Your ref : SSDS Multishot & DWD survey
Last revised : 16-Jan-96

Measured Depth	Inclin. Degrees	Asimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
5500.03	42.40	309.10	5466.39	137.10 N	153.12 W	19.63	205.45
5530.33	47.80	310.10	5487.77	150.78 N	169.65 W	17.97	226.86
5561.16	53.70	310.50	5507.27	166.22 N	187.84 W	19.16	250.69
5592.98	60.30	312.80	5524.59	183.96 N	207.76 W	21.61	277.34
5624.64	65.50	315.60	5539.01	203.61 N	227.94 W	18.21	305.51
5656.12	71.10	319.20	5550.65	225.14 N	247.72 W	20.72	334.67
5686.95	75.80	322.80	5559.43	248.10 N	266.30 W	18.91	363.95
5718.45	78.50	327.40	5566.44	273.28 N	283.86 W	16.62	394.01
5748.49	83.80	325.40	5571.06	298.00 N	300.28 W	18.83	422.93
5786.60	90.10	322.00	5573.09	328.64 N	322.80 W	18.78	460.35
5818.10	90.20	321.30	5573.01	353.35 N	342.34 W	2.24	491.52
5849.00	91.70	318.60	5572.50	376.99 N	362.22 W	9.99	522.22
5880.27	92.00	315.20	5571.48	399.81 N	383.57 W	10.91	553.41
5911.93	91.70	316.50	5570.46	422.52 N	405.61 W	4.21	585.02
5942.95	89.50	314.70	5570.14	444.67 N	427.31 W	9.16	616.02
5973.78	87.70	311.40	5570.89	465.71 N	449.83 W	12.19	646.83
6004.70	86.40	308.20	5572.48	485.47 N	473.55 W	11.16	677.64
6036.60	85.80	307.30	5574.65	504.96 N	498.71 W	3.38	709.31
6068.40	85.80	307.70	5576.98	524.26 N	523.87 W	1.25	740.86
6099.34	87.40	308.00	5578.82	543.22 N	548.26 W	5.26	771.60
6130.63	89.00	307.80	5579.80	562.43 N	572.94 W	5.15	802.72
6162.30	89.20	307.70	5580.30	581.81 N	597.98 W	0.71	834.24
6192.50	90.40	306.70	5580.40	600.07 N	622.03 W	5.17	864.26
6223.00	90.00	306.30	5580.30	618.21 N	646.55 W	1.85	894.53
6253.76	90.10	309.00	5580.27	637.00 N	670.90 W	8.78	925.13
6285.71	90.50	309.80	5580.10	657.28 N	695.59 W	2.80	957.00
6316.29	90.60	309.40	5579.81	676.77 N	719.15 W	1.35	987.52
6347.21	90.70	308.80	5579.46	696.27 N	743.14 W	1.97	1018.34
6378.29	91.50	308.80	5578.86	715.74 N	767.36 W	2.57	1049.32
6409.57	92.20	310.70	5577.85	735.73 N	791.39 W	6.47	1080.52
6440.39	91.80	313.30	5576.78	756.34 N	814.28 W	8.53	1111.30
6470.44	91.30	313.90	5575.96	777.06 N	836.04 W	2.60	1141.34
6500.81	91.20	313.70	5575.30	798.07 N	857.95 W	0.74	1171.70
6532.08	91.50	313.50	5574.56	819.63 N	880.59 W	1.15	1202.97
6560.79	90.40	313.70	5574.09	839.42 N	901.38 W	3.89	1231.67
6591.49	90.50	314.00	5573.85	860.69 N	923.52 W	1.03	1262.37
6622.66	89.80	315.30	5573.76	882.60 N	945.69 W	4.74	1293.53
6653.73	88.90	314.20	5574.12	904.47 N	967.75 W	4.57	1324.59
6684.62	89.10	313.70	5574.66	925.90 N	989.99 W	1.74	1355.47
6715.40	90.40	313.90	5574.79	947.21 N	1012.20 W	4.27	1386.25
6747.31	90.10	313.50	5574.65	969.25 N	1035.27 W	1.57	1418.16
6778.66	89.60	313.00	5574.73	990.73 N	1058.11 W	2.26	1449.51
6810.14	89.50	312.60	5574.98	1012.12 N	1081.20 W	1.31	1480.99
6841.80	89.50	312.60	5575.26	1033.55 N	1104.51 W	0.00	1512.64
6871.96	88.70	315.30	5575.73	1054.48 N	1126.22 W	9.34	1542.80
6903.31	88.80	316.50	5576.41	1076.98 N	1148.03 W	3.84	1574.11
6934.53	90.30	317.00	5576.66	1099.72 N	1169.42 W	5.06	1605.27
6965.47	90.10	317.40	5576.55	1122.42 N	1190.44 W	1.44	1636.15
6995.57	90.40	317.60	5576.42	1144.62 N	1210.78 W	1.20	1666.17
7026.53	90.70	317.70	5576.12	1167.50 N	1231.63 W	1.02	1697.04
7057.26	89.90	315.40	5575.96	1189.80 N	1252.76 W	7.92	1727.73
7087.00	89.70	313.90	5576.07	1210.70 N	1273.92 W	5.09	1757.46
7118.21	89.30	313.20	5576.34	1232.21 N	1296.54 W	2.58	1788.67

All data is in feet unless otherwise stated
Coordinates are from Ratherford Unit #21-67 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 313.42 degrees.
Calculation uses the minimum curvature method.

MOBIL EXPLORATION
SECTION 21 Ratherford Unit RU #21-67
SAN JUAN COUNTY, UTAH

SURVEY LISTING Page 3
Your ref : SSDS Multishot & DWD survey
Last revised : 16-Jan-96

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	RECTANGULAR COORDINATES		Dogleg Deg/100Ft	Vert Sect
7149.53	89.30	312.60	5576.72	1253.52 N	1319.48 W	1.92	1819.98
7180.96	88.90	311.90	5577.21	1274.65 N	1342.74 W	2.56	1851.40
7212.29	89.10	311.40	5577.76	1295.47 N	1366.15 W	1.72	1882.71
7243.28	89.60	311.80	5578.11	1316.05 N	1389.32 W	2.07	1913.68
7274.89	89.60	313.00	5578.33	1337.36 N	1412.66 W	3.80	1945.29
7305.68	89.40	313.30	5578.60	1358.42 N	1435.12 W	1.17	1976.08
7337.61	89.50	313.70	5578.91	1380.39 N	1458.28 W	1.29	2008.00
7368.08	89.30	313.70	5579.23	1401.44 N	1480.31 W	0.66	2038.47
7398.69	89.10	313.00	5579.66	1422.45 N	1502.57 W	2.38	2069.08
7429.75	88.80	313.20	5580.22	1443.67 N	1525.24 W	1.16	2100.13
7459.87	88.70	312.80	5580.88	1464.21 N	1547.27 W	1.37	2130.25
7490.74	88.40	313.00	5581.66	1485.22 N	1569.87 W	1.17	2161.10
7520.86	88.20	312.50	5582.56	1505.65 N	1591.98 W	1.79	2191.21
7551.71	87.80	312.30	5583.63	1526.44 N	1614.75 W	1.45	2222.04
7582.91	88.70	314.40	5584.59	1547.85 N	1637.42 W	7.32	2253.22
7613.71	89.60	315.30	5585.04	1569.57 N	1659.26 W	4.13	2284.00
7644.59	90.10	315.10	5585.12	1591.48 N	1681.02 W	1.74	2314.87
7675.74	90.40	315.40	5584.99	1613.60 N	1702.95 W	1.36	2346.00
7707.09	90.70	315.10	5584.69	1635.86 N	1725.02 W	1.35	2377.34
7738.00	90.90	313.90	5584.26	1657.53 N	1747.06 W	3.94	2408.24
7768.09	90.00	312.80	5584.02	1678.18 N	1768.94 W	4.72	2438.33
7798.80	89.70	312.50	5584.10	1698.99 N	1791.53 W	1.38	2469.03
7819.00	88.90	311.60	5584.35	1712.52 N	1806.52 W	5.96	2489.22
7862.00	87.50	310.00	5585.70	1740.60 N	1839.06 W	4.94	2532.16

Projection to Bit

All data is in feet unless otherwise stated
Coordinates are from Ratherford Unit #21-67 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 313.42 degrees.
Calculation uses the minimum curvature method.

SECTION 21 MOBIL EXPLORATION
Ratherford Unit ,RU #21-67
SAN JUAN COUNTY,UTAH

SURVEY LISTING Page 4
Your ref : SSDS Multishot & DWD survey
Last revised : 16-Jan-96

Comments in wellpath
=====

MD	TVD	Rectangular Coords.	Comment
7862.00	5585.70	1740.60 N 1839.06 W	Projection to Bit

All data is in feet unless otherwise stated
Coordinates are from Ratherford Unit #21-67 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 313.42 degrees.
Calculation uses the minimum curvature method.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>INJECTOR</u>				5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-355	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>HORIZONTAL</u>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL	
2. NAME OF OPERATOR Mobil Exploration & Producing U.S. Inc. as Agent for Mobil Producing TX & NM Inc.				7. UNIT AGREEMENT NAME RATHERFORD UNIT	
3. ADDRESS AND TELEPHONE NO. P.O. Box 633, Midland, TX 79702 (915) 688-2585				8. FARM OR LEASE NAME, WELL NO. RATHERFORD 2167	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1325' FWL, 2560' FSL At top prod. interval reported below MAR 11 1996				9. API WELL NO. 43-037-31753	
14. PERMIT NO. BLE-17411-N, 1830-W OF LOCATION BLL 514 FEL + 4301 FSL Sec 20				12. COUNTY OR PARISH SAN JUAN	
DATE ISSUED 9-1-95				13. STATE UT	
15. DATE SPUNDED 11-5-95		16. DATE T.D. REACHED 1-1-96		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL: 4757	
17. DATE COMPL. (Ready to prod.) 1-17-96		19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD MD-7862 TVD-5585	
21. PLUG, BACK T.D., MD & TVD 7862		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 5225 - 7862 DESERT CREEK				25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/LDT/NEUTRON/GR/, CBL DUAL BURST THERMAL DEPTH TIME PHASOR INDUCTION TDT 1-17-96				27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)	
9 5/8		36#		1632	
7		23#		5794	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2 7/8		5200'		5764'	
31. PERFORATION RECORD (Interval, size and number) 5225 - 7862					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
5225			KOP		
1537 - 1837			CMT PLUG W/160 SX CL 'G'		
7358 - 7835			ACDZ W/458 BBLs ACID		
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)			WELL STATUS (Producing or shut-in)
DATE OF TEST 2-26-96		HOURS TESTED 24		CHOKE SIZE	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) RATE 2167 BW Press. 2950		TEST WITNESSED BY			
35. LIST OF ATTACHMENTS SURVEY REPORT					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Shirley Robinson</u>		TITLE ENV. & REG. TECHNICIAN		DATE 2-27-96	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.*
***MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3a. Address

P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 21, T41S, R24E
1325' FWL & 2560' FSL

FORM APPROVED

Budget Bureau No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 21-67

9. API Well No.

43-037-31753

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

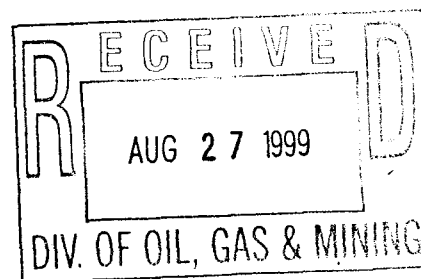
- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input checked="" type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other SCHEDULED |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | MIT |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SCHEDULED MIT & CHART ATTACHED.



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Title

SHIRLEY HOUCHINS/ENV & REG TECH

Date

8-25-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator MOBILE T.P., INC. Date of Test 8-13-99
Well Name RATHERFORD WPT WELL # 21-67 EPA Permit No. _____
Location SEC 21, T41S, R24E Tribal Lease No. 1420603355
State and County SAN JUAN COUNTY, UTAH

Continuous Recorder? YES ☒ NO ☐ Pressure Gauge? YES ☒ NO ☐
Bradenhead Opened? YES ☐ NO ☒ Fluid Flow? YES ☐ NO ☒

TIME	ANNULUS PRESSURE, psi		TUBING PRESSURE, psi
	0-1500 psi gauge	0-1500 psi recorder	0-5000 psi gauge
11:02 Am	1110	1139	2940
11:07 Am	1110	1135	2940
11:12 Am	1109	1130	2940
11:17 Am	1109	1130	2940
11:22 Am	1109	1130	2940
11:27 Am	1109	1130	2940
11:32 Am	1108	1129	2940

MAX. INJECTION PRESSURE: 3000 PSI
MAX. ALLOWABLE PRESSURE CHANGE: 55.50 PSI (TEST PRESSURE X 0.05)
REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

Injecting - active.

Bradenhead ~~bracketed~~ ^{none}, none. This well was previously a producer well.

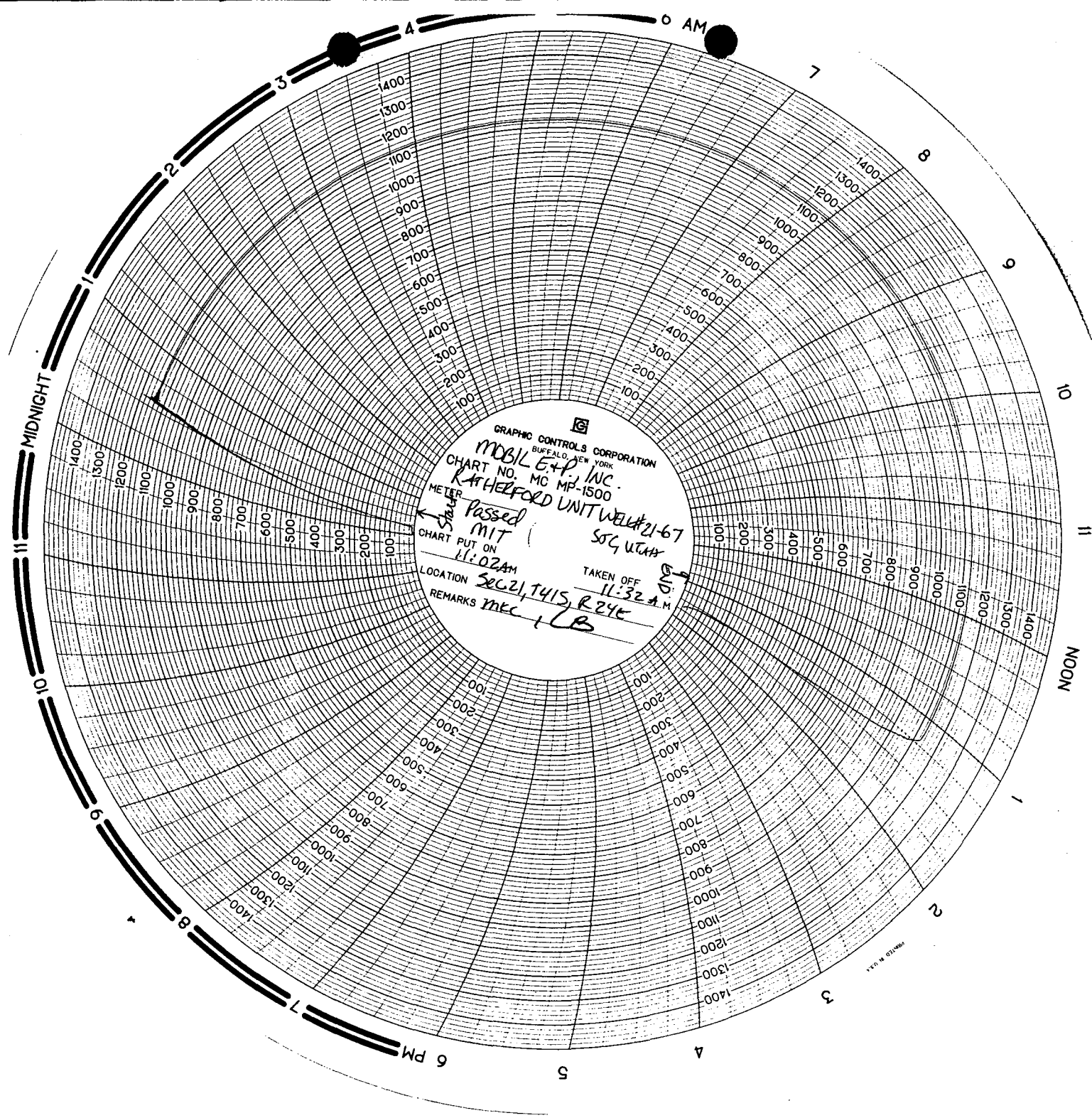
Passed MIT

Laurison Blackman
COMPANY REPRESENTATIVE: (Print and Sign)

8-13-99
DATE

MELVINA K. CLAH
INSPECTOR: (Print and Sign)

8-13-99
DATE



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
MOBIL E.P.I. INC.
CHART NO. MC MF-1500
RATHELFORD UNIT WELLS 21-67
Passed MIT
CHART PUT ON 11:02 AM
LOCATION SEC 21, T415, R24E
REMARKS MEC 1 LB
TAKEN OFF 11:32 A.M.
SOG, UTAH

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

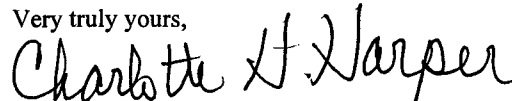
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

XXXXXXXXXXXXXXX
Navajo Area Office
NAVAJO REGION

P.O. Box 1060

Gallup, New Mexico 87305-1060

AUG 30 2001

IN REPLY REFER TO:

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

CEMIL DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>Q67MC</i>
NATVAM MIN COORD	
SOLID MIN TEAM	
PETRO MENT TEAM <i>2</i>	
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

PS 7/12/2001

SH

543

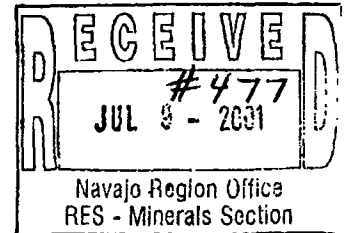
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-. Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

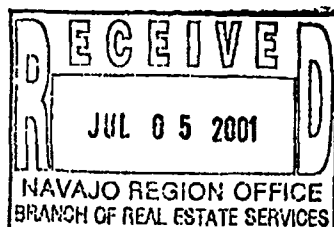
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Isasi.

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

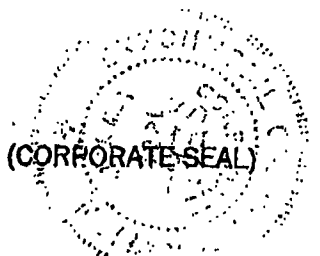
Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>


Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800, whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218




Signature
AGENT AND ATTORNEY IN FACT
Title

SAL

FILE NO. 1503398890 P. 03

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

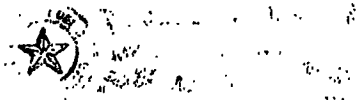
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Sullivan
Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

Janice M. Phillips
Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

10000 North Loop West, Suite 1400, Houston, Texas 77027-3301
Houston, TX 77027-4600 • Faxing: (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior
Bureau of Indian Affairs

in the amount of \$150,000.00
bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By: 

FEDERAL INSURANCE COMPANY

By: 
Mary Pierson, Attorney-in-fact

**Chubb
Surety****POWER
OF
ATTORNEY****Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company****Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo**,
Mary Pierson, **Philana Berros**, and **Jody E. Specht** of **Houston, Texas**-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel
 Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson
 Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
 County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the presence of the Notary Public.



Notary Public State of New Jersey
 No. 2231647

Commission Expires Oct 28, 2004

Karen Price
 Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel
 Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY
 Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.135 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President

STATE OF TEXAS)
COUNTY OF DALLAS)

F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



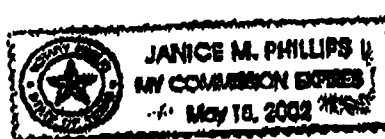
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



=> CSC

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06/01'01 08:19

CSC
CSC

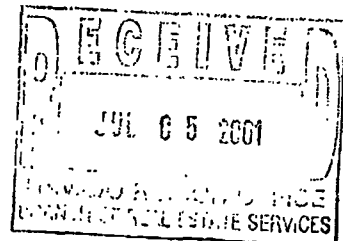
5184334741

06/01 '01 09:01 NO. 411 02/02
06/01 '01 09:06 NO. 133 04/04
F010601000187**CSC 45****CERTIFICATE OF AMENDMENT****OF****MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

**STATE OF NEW YORK
DEPARTMENT OF STATE**Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

5959 Las Colinas Blvd.
(Mailing address)TAX \$ _____
BY: SACIrving, TX 75039-2298
(City, State and Zip code)ny / AlbanyCust Ref # 165578 MPJ**010601000195**

=> CSC

TEL=5184334741

06/01'01 08:19

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No. Unit: RATHERFORD**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD U 19W21	19-41S-24E	43-037-15741	6280	INDIAN	WI	A
DSRT A-26 (RATHERFORD 19W23)	19-41S-24E	43-037-15742	99990	INDIAN	WI	A
RATHERFORD U 19-32	19-41S-24E	43-037-15743	6280	INDIAN	WI	A
RATHERFORD U 19-34	19-41S-24E	43-037-15744	6280	INDIAN	WI	A
DESERT A-24 (RATHERFORD 19W41)	19-41S-24E	43-037-15745	99990	INDIAN	WI	A
DESERT A-23 (RATHERFORD 19W43)	19-41S-24E	43-037-16420	99990	INDIAN	WI	A
RATHERFORD U 20-12	20-41S-24E	43-037-15746	6280	INDIAN	WI	I
RATHERFORD U 20-14	20-41S-24E	43-037-15747	6280	INDIAN	WI	A
DESERT A-18 (RATHERFORD 20W23)	20-41S-24E	43-037-15748	99990	INDIAN	WI	A
RATHERFORD U 20-32	20-41S-24E	43-037-15749	6280	INDIAN	WI	A
RATHERFORD U 20-34	20-41S-24E	43-037-15750	6280	INDIAN	WI	A
RATHERFORD 20W41 (DESERT A-27)	20-41S-24E	43-037-15751	99990	INDIAN	WI	A
RATHERFORD 20-67	20-41S-24E	43-037-31590	6280	INDIAN	WI	A
RATHERFORD U 21-14	21-41S-24E	43-037-15753	6280	INDIAN	WI	I
RATHERFORD UNIT 21-67	21-41S-24E	43-037-31753	6280	INDIAN	WI	A
RATHERFORD UNIT 28-12	28-41S-24E	43-037-15336	6280	INDIAN	WI	A
NAVAJO A-19 (RATHERFORD 28W21)	28-41S-24E	43-037-16431	99990	INDIAN	WI	A
RATHERFORD U 29-12	29-41S-24E	43-037-15337	6280	INDIAN	WI	A
RATHERFORD U 29-32	29-41S-24E	43-037-15339	6280	INDIAN	WI	A
RATHERFORD 29W21	29-41S-24E	43-037-16432	99990	INDIAN	WI	A
NAVAJO B-5 (RATHERFORD 30W41)	30-41S-24E	43-037-15343	99990	INDIAN	WI	A
NAVAJO B-16 (RATHERFORD 30W21)	30-41S-24E	43-037-16435	99990	INDIAN	WI	I

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143

5. If **NO**, the operator was contacted contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

NOTE: EPA ISSUES UIC PERMIT

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/11/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/11/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2006

FROM: (Old Operator):

N1855-ExxonMobil Oil Corporation

PO Box 4358

Houston, TX 77210-4358

Phone: 1 (281) 654-1936

TO: (New Operator):

N2700-Resolute Natural Resources Company

1675 Broadway, Suite 1950

Denver, CO 80202

Phone: 1 (303) 534-4600

CA No.

Unit:

RATHERFORD (UIC)

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted on: _____
- 6a. (R649-9-2) Waste Management Plan has been received on: requested
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 6/22/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 6/22/2006
6. **Receipt of Acceptance of Drilling Procedures for APD/New** on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a
2. Indian well(s) covered by Bond Number: PA002769
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

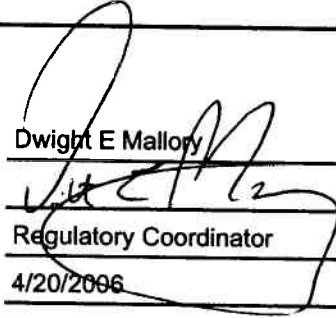
Well Name and Number See attached list	API Number Attached
Location of Well Footage: See attached list County: San Juan QQ, Section, Township, Range: State: UTAH	Field or Unit Name Ratherford Unit Lease Designation and Number See attached list

EFFECTIVE DATE OF TRANSFER: 6/1/2006


CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation
Address: PO Box 4358
city Houston state TX zip 77210-4358
Phone: (281) 654-1936
Name: _____
Signature: _____
Title: _____
Date: _____
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company
Address: 1675 Broadway, Suite 1950
city Denver state CO zip 80202
Phone: (303) 534-4600
Name: Dwight E Mallory
Signature: 
Title: Regulatory Coordinator
Date: 4/20/2006
Comments: A list of affected UIC wells is attached.
New bond numbers for these wells are:
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by: 
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

RECEIVED
APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
2. NAME OF OPERATOR: Resolute Natural Resources Company <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Ratherford Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: See attached list
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u> </u>		9. API NUMBER: Attached
COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Mallory</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/20/2006</u>

(This space for State use only)

APPROVED 6127106

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <u>N1855</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Ship Rock</u>
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU68931A</u>
PHONE NUMBER: <u>(281) 654-1936</u>		8. WELL NAME and NUMBER: <u>Ratherford</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: <u>attached</u>
		10. FIELD AND POOL, OR WILDCAT: <u>Aneth</u>

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) Laurie Kilbride

TITLE Permitting Supervisor

SIGNATURE

DATE 4/19/2006

(This space for State use only)

APPROVED 6/27/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
(See Instructions on Reverse Side)

RECEIVED
APR 21 2006

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location							
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot	
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL	
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL	
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL	
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL	
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL	
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL	
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL	
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL	
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL	
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL	
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL	
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL	
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL	
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL	
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL	
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL	
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL	
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL	
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL	
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL	
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL	
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL	
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL	
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL	
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL	
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL	
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL	
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL	
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL	
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL	
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL	
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL	
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL	
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL	
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL	
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL	
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL	
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL	
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL	
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL	
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL	
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL	
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL	
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL	
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL	
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL	
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL	
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL	
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL	
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL	
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL	

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL

Resolute
Sec 21-415-246
14-20-603-353

430373753



8-20-2014
CHART NO. 8-20-2014
WELLHEAD MC MP-2000-H
METER for use on well
H. G. 111

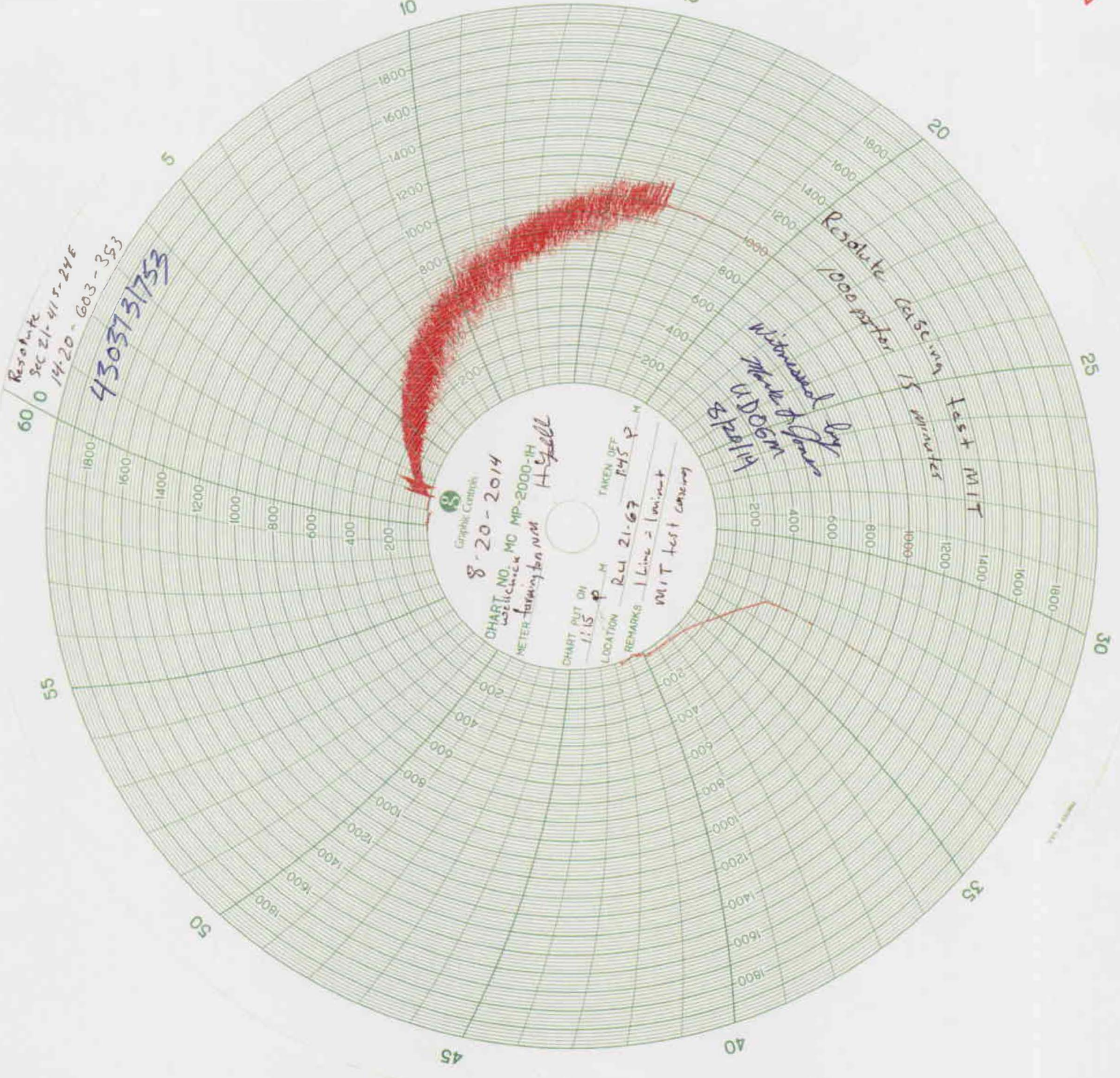
CHART PUT ON
1:15 P M
LOCATION
TAKEN OFF
21-67 P M

REMARKS
Line 2 in unit
MIT test energy

Witnessed by
Mark D. Jones
UDDOM
8/20/14

Resolute
1000 pph for
15 minutes

Test MIT



Resolute
Sec 21-41 S-24 E
14-20-603-353
4303731753

Graphic Controls

8-20-2014

CHART NO. MC MP-2000-1H
Wellcheck

METER turning on NM

H. Zell

TAKEN OFF
1:45 P M

CHART PUT ON
1:15 P M

LOCATION RU 21-67

REMARKS 1 Line = 1 minute
MIT test casing

Witnessed by
U. D. O. G. M.
8/20/14

Resolute
1000 pps for 15 minutes
test MIT